

## 41000

## Flat hand engineer's file sets



HASE

### Design

Extra quality, with plastic file handles, in pouch.

#### Set contents 41000 101–106

- 1 flat hand file
- 1 half-round file
- 1 round file
- 1 triangular file

4 pieces

Length mm	Cut	41000	...
150	1	101	
200	1	102	
250	1	103	
150	2	104	
200	2	105	
250	2	106	

#### Set contents 41000 201–209

- 1 flat hand file
- 1 half-round file
- 1 round file
- 1 triangular file
- 1 square file

5 pieces

Length mm	Cut	41000	...
200	1	201	
250	1	202	
300	1	203	
200	2	204	
250	2	205	
300	2	206	



41000

Sanding/cutting tools

## 41100

## Flat hand engineer's file sets

PFERD



### Design

Quality files, with ergonomically shaped file handles, in weatherproof PVC tool roll.

5 pieces

Length mm	Cut	41100	...
200	1	101	
250	1	102	
300	1	103	

#### Set contents

- 1 flat hand file
- 1 half-round file, pointed tip
- 1 round file
- 1 triangular file
- 1 square file

5 pieces

Length mm	Cut	41100	...
200	2	104	
250	2	105	
300	2	106	
250	3	108	



41100

## 41001 - 41003

## Flat hand engineer's files DIN 7261 A



HASE

41001 - 41003



Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41001	...	41002	...	41003	...
100	12.0 x 2.5	101		101		101	
150	16.0 x 4.0	103		103		103	
200	20.0 x 5.0	104		104		104	

Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41001	...	41002	...	41003	...
250	25.0 x 6.0	105		105		105	
300	30.0 x 6.5	106		106		106	
350	35.0 x 7.5	107		107		107	

## 41101 - 41103

## Flat hand engineer's files DIN 7261 A

PFERD



41101 - 41103



Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41101	...	41102	...	41103	...
100	12.0 x 2.5	101		101		101	
150	16.0 x 4.0	102		102		102	
200	20.0 x 5.0	103		103		103	

Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41101	...	41102	...	41103	...
250	25.0 x 6.0	104		104		104	
300	30.0 x 6.5	105		105		105	
350	35.0 x 7.5	106		106		106	

## 41011 - 41013

## Half-round engineer's files DIN 7261 E



HASE

41011 - 41013



Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41011	...	41012	...	41013	...
100	10.4 x 2.5	101		101		101	
150	16.0 x 4.5	103		103		103	
200	20.0 x 6.0	104		104		104	

Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41011	...	41012	...	41013	...
250	25.0 x 7.0	105		105		105	
300	30.0 x 8.5	106		106		106	
350	35.0 x 10.0	107					

Sanding/cutting tools

**41110 - 41112 Half-round engineer's files DIN 7261 E**



41110 - 41112

**Design**

Pointed tip, outstanding performance thanks to PFERD spiral cut.



Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41110	...	41111	...	41112	...
100	10.4 x 2.5					101	
150	16.0 x 4.5		102		102		102
200	20.0 x 6.0		103		103		103

Length mm	Cross-section mm	Cut 1		Cut 2		Cut 3	
		41110	...	41111	...	41112	...
250	25.0 x 7.0			104		104	104
300	30.0 x 8.5			105		105	105

**41016 - 41018 Triangular engineer's files DIN 7261 C**



41016 - 41018

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41016	...	41017	...	41018	...
100	8.0			101		101	101
150	11.0		103		103		103
200	15.0		104		104		104

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41016	...	41017	...	41018	...
250	17.5			105		105	105
300	20.0			106		106	106



**41113 - 41115 Triangular engineer's files DIN 7261 C**



41113 - 41115

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41113	...	41114	...	41115	...
150	11.0		102		102		102
200	15.0		103		103		103

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41113	...	41114	...	41115	...
250	17.5		104		104		104
300	20.0		105		105		105



**41021 - 41023 Square engineer's files DIN 7261 D**



41021 - 41023

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41021	...	41022	...	41023	...
100	4.0			101		101	101
150	6.0		103		103		103
200	8.0		104		104		104

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41021	...	41022	...	41023	...
250	10.0		105		105		105
300	12.0		106		106		106



**41116 - 41118 Square engineer's files DIN 7261 D**



41116 - 41118

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41116	...	41117	...	41118	...
150	6.0		102		102		102
200	8.0		103		103		103

Length mm	Width mm	Cut 1		Cut 2		Cut 3	
		41116	...	41117	...	41118	...
250	10.0		104		104		104



**41026 - 41028 Round engineer's files DIN 7261 F**



41026 - 41028

Length mm	Ø mm	Cut 1		Cut 2		Cut 3	
		41026	...	41027	...	41028	...
100	4.0		101		101		101
150	6.0		103		103		103
200	7.5		104		104		104

Length mm	Ø mm	Cut 1		Cut 2		Cut 3	
		41026	...	41027	...	41028	...
250	9.5		105		105		105
300	12.0		106		106		106
350	15.0		107		107		107



## 41119 - 41121 Round engineer's files DIN 7261 F



41119 - 41121

### Design

Outstanding performance thanks to PFERD spiral cut.

Length mm	Ø mm	Cut 1		Cut 2		Cut 3	
		41119	...	41120	...	41121	...
100	4.0	101		101		101	
150	6.0	102		102		102	
200	7.5	103		103		103	

Length mm	Ø mm	Cut 1		Cut 2		Cut 3	
		41119	...	41120	...	41121	...
250	9.5	104		104		104	
300	12.0	105		105		105	



## 41032 - 41033 Engineer's knife files DIN 7261 G



Quality  
Extra.

41032 - 41033

### Design

Back uncut.

Length mm	Crossection mm	Cut 2		Cut 3	
		41032	...	41033	...
200	22 x 5.0	102		102	

Length mm	Crossection mm	Cut 2		Cut 3	
		41032	...	41033	...
250	27 x 6.5	103		103	



## Info

For precision files, see cat. pages 41.3 - 41.11

Precision files meet the highest standards in dimensional accuracy, cutting performance and service life. Precision files are smaller than regular engineer's files, more comfortable to use and more accurate in their shape. They are used in jig and tool making, especially when making tools for punching,

shaping, forging and embossing in job lot production etc. Precision files are also needed for the installation and manufacture of complex, high-precision equipment and machines.

### Table comparing Swiss cut and German cut

#### Length 100 + 150 mm:

Swiss cut	00	0	1	2	3	4	6
German cut	1	1-2	3	3-4	4	4-5	6

#### Length 200 + 250 mm:

Swiss cut	00	0	1	2	3	4	-
German cut	1	2	3	4	4-5	5	-



## 41050 - 41054 Precision flat hand files



41050 - 41054

### Design

Normal width, 3 sides cut.

German Length mm	Crossection mm	Cut 1		Cut 2		Cut 3		Cut 4		Cut 5	
		41050	...	41051	...	41052	...	41053	...	41054	...
100	9.5 x 2.5	101		101		101		101		101	
125	12.5 x 3.2	102		102		102		102		102	
150	16.0 x 4.0	103		103		103		103		103	
200	21.3 x 4.8	104		104		104		104		104	
250	25.3 x 6.3	105		105		105		105		105	
300	29.3 x 7.8	106		106		106		106		106	



## 41131 - 41135 Precision flat hand files



41131 - 41135

### Design

Normal width, 3 sides cut.

Swiss Length mm	Crossection mm	Cut 0		Cut 1		Cut 2		Cut 3		Cut 4	
		41131	...	41132	...	41133	...	41134	...	41135	...
100	13 x 3	101		101		101		101		101	
150	18 x 4	102		102		102		102		102	
200	22 x 5	103		103		103		103		103	



## Precision files

### 41055 - 41057 Precision flat hand files/needle files



41055 - 41057

#### Design

Semi-narrow, 3 sides cut.



German		Cut 1	Cut 2	Cut 3
Length mm	Crosssection mm	41055	41056	41057
150	12.0 x 4.0	101	101	101
200	14.5 x 4.5	102	102	102
250	17.5 x 5.3	103	103	103

### 41058 - 41060 Precision flat hand files/needle files



41058 - 41060

#### Design

Narrow, 3 sides cut.



German		Cut 1	Cut 2	Cut 3
Length mm	Crosssection mm	41058	41059	41060
125	8.0 x 3.0			101
150	8.3 x 3.8	102	102	102
200	12.0 x 4.0	103	103	103
250	15.0 x 5.0	104		104

### 41062 - 41064 Precision flat hand files/needle files



41062 - 41064

#### Design

Extra narrow, 3 sides cut.



German		Cut 1	Cut 2	Cut 3
Length mm	Crosssection mm	41062	41063	41064
125	5.5 x 2.5	102	102	102
150	8.0 x 3.0	103	103	103
200	8.3 x 3.8	104	104	104

### 41066 - 41068 Precision half-round files



41066 - 41068

#### Design

With fine tip.



German		Cut 1	Cut 2	Cut 3
Length mm	Crosssection mm	41066	41067	41068
100	12.7 x 3.5			101
150	18.0 x 5.5	103	103	103
200	21.1 x 6.3	104	104	104

### 41153 - 41155 Precision half-round files



41153 - 41155



Swiss		Cut 1	Cut 2	Cut 3
Length mm	Crosssection mm	41153	41154	41155
150	16 x 4.5		102	102
200	21 x 6.0	103	103	103
250	25 x 7.0	104		

### 41071 - 41073 Precision triangular files



41071 - 41073

#### Design

With fine tip.



German		Cut 1	Cut 2	Cut 3
Length mm	Width mm	41071	41072	41073
100	5.8		101	101
150	10.3	103	103	103
200	14.2	104	104	104

## 41076 - 41078

## Precision square files



41076 - 41078

## Design

With fine tip.



German		Cut 1	Cut 2	Cut 3
Length mm	Width mm	41076	41077	41078
150	5.5	103	103	103
250	9.4	105	105	105

## 41080 - 41082

## Precision round files



41080 - 41082

## Design

With fine tip.



German		Cut 1	Cut 2	Cut 3
Length mm	Ø mm	41080	41081	41082
100	3.8	101	101	101
125	4.8	102	102	102
150	5.8	103	103	103
200	7.8	104	104	104
250	9.4	105	105	105

## 41084 - 41086

## Precision knife files



41084 - 41086

## Design

With fine tip and curved, cut cutting edge, back uncut.



German		Cut 1	Cut 2	Cut 3
Length mm	Crosssection mm	41084	41085	41086
200	22 x 4.2	102	102	102

## 41176

## Precision knife files



41176

## Design

Back blank.



Swiss		Cut 2
Length mm	Crosssection mm	41176
200	22 x 5	103

## 41178

## Precision lenticular crossing files



41178



Swiss		Cut 2
Length mm	Crosssection mm	41178
150	16 x 4.5	101

## 41095 - 41097

## Precision barrette files



41095 - 41097

## Design

Only the flat sides cut (flat roof shape).



German		Cut 1	Cut 3
Length mm	Crosssection mm	41095	41097
100	12.4 x 2.6		101
150	15.5 x 3.5		102
200	21.5 x 5.0	103	103

41185 - 41187 CORINOX® precision files

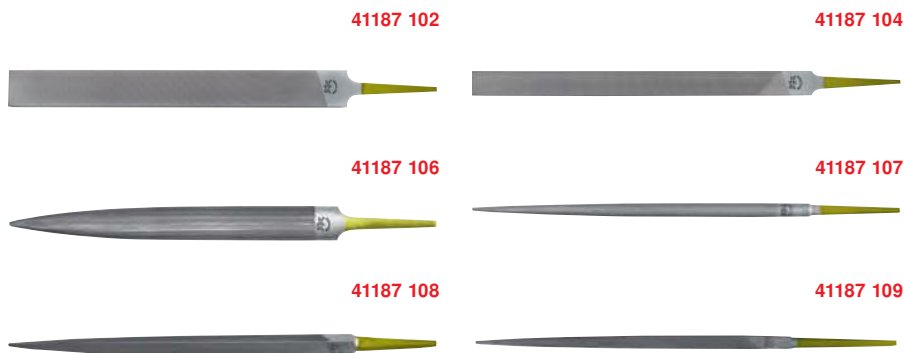


**Design**

Unusual surface hardness of 1200 HV (Vickers hardness), which makes the files **extremely wear-resistant and durable**. Stainless surface, therefore no corrosion marks on the material to be machined. The files do not clog. Chips can be removed by lightly knocking the file against a hard surface.

**Applications**

Particularly suitable for hard-to-machine materials, for machining stainless steels such as **V2A, V4A**, highly heat-resistant steels and exotic alloys, but also for fibre-reinforced plastics, amongst others.



Swiss Shape	Length mm	Crossection mm	Design	Cut 00		Cut 0		Cut 2	
				41185	...	41186	...	41187	...
Flat hand file	150	18 x 4	3 sides cut		101		101		
Flat hand file	200	22 x 5	3 sides cut		102		102		102
Flat hand file/needle file	150	13 x 4	semi-narrow, 2 sides cut		103		103		
Flat hand file/needle file	200	15 x 5	semi-narrow, 2 sides cut		104		104		104
Half round	150	16 x 4.5	-				105		
Half round	200	21 x 6.0	-				106		106
Round	200	8	-				107		107
Triangular	200	14 x 14	-				108		108
Square	150	6 x 6	-				109		109

41205 - 41206 Milled tooth files DIN 7264 A/D



**Design**

Teeth cut at an angle, with chip breaker. Fast cutting action even when applying only gentle pressure (labour saving). No wave formations on the workpiece if files are guided diagonally relative to the surface (to right and left – not at right angles).

**Applications**

**Serration 1 = coarse** (approximately 9 teeth per inch) for steel, bronze, iron (large areas) and for aluminium, tin, lead, leather and plastics amongst others.

**Serration 2 = medium** (approx. 12 teeth per inch), for steel, bronze, iron (small areas).

**Quality**

Chrome alloy special steel.

**Note:**

Art. no. 41206 102 hollow, only the half round side is serrated.



Serration	Length mm	Crossection mm	Flat hand file		half round	
			41205	...	41206	...
1/coarse	250	23 x 7.0				102
1/coarse	250	26 x 7.0		102		
1/coarse	300	31 x 8.3		103		
2/medium	250	26 x 7.0		107		
2/medium	300	31 x 8.3		108		

41210 Milled tooth files DIN 7264 A



**Design**

Teeth cut at an angle. The aggressively milled teeth with large flutes prevent the file from clogging.

**Applications**

For coarse machining of soft metals such as unhardened steel, grey cast iron, copper and brass.



Serration	Length mm	Crossection mm	41210	
			...	...
1	300	31 x 8.3		102
1	350	36 x 8.8		103

Sanding/cutting tools

41484 - 41487

Diamond handy files



Design

With a forged shank that makes use of a handle unnecessary.

D 126 = medium, universal grain.

The precision-forged and ground file blanks are electroplated with diamond grains. The coating, which is uniformly dense, rough and wear resistant, provides great performance.

Applications

For machining hardened or tempered steels and cemented carbide in cutting, punching, moulding and profiling tools, as well as glass, ceramics and fibre-reinforced plastics.

Set contents 41484 101	
1	flat hand file
1	half-round file
1	triangular file
1	square file
1	round file



41484 101

Set contents	Total length mm	Diamond coating mm	Design	Medium 41484	...
5 pieces	215	100	in pouch		101

Shape	Total length mm	Diamond coating mm	Width x height mm	Medium 41487	...
Flat hand file	215	100	10.3 x 2.8		101
Half round	215	100	12.5 x 3.8		102
Triangular	215	100	10.0		103
Square	215	100	5.5 x 5.5		104
Round	215	100	6.7		105



41487 101

41487 102

41487 103

41487 104

41487 105

41490 - 41492

Diamond needle files



Design

D 126 = medium, universal grain.

The precision-forged and ground file blanks are electroplated with diamond grains. The coating, which is uniformly dense, rough and wear resistant, provides great performance.

Applications

For machining hardened or tempered steels and cemented carbide in cutting, punching, moulding and profiling tools, as well as glass and ceramics.

Note:

For screw head handles, see art. no. 41910 and 41911.

Set contents 41490 101	
1	flat hand file
1	triangular file
1	square file
1	half-round file
1	round file



41490 101

Set contents 41490 102	
1	flat hand file
1	flat hand file with rounded edges
1	flat-pointed file
1	triangular file
1	square file
1	half-round file
1	round file
1	knife file
1	slitting file
1	lenticular crossing file
1	barrette file



41490 102

Set contents	Total length mm	Diamond coating mm	Shank Ø mm	Design	Medium 41490	...
5 pieces	140	70	3	in pouch		101
11 pieces	140	70	3	in pouch		102



41492 101

41492 102

41492 103



41492 104

41492 105

41492 106



41492 107

41492 108

Shape	Total length mm	Diamond coating mm	Shank Ø mm	Width x height mm	Medium 41492	...
Flat hand file	140	70	3	5.5 x 1.6		101
Flat hand file with rounded edges	140	70	3	5.5 x 1.6		102
Flat-pointed	140	70	3	5.5 x 1.6		103
Triangular	140	70	3	3.5		104
Square	140	70	3	2.6 x 2.6		105
Half round	140	70	3	5.5 x 1.6		106
Round	140	70	3	3.2		107
Knife	140	70	3	5.0 x 1.8		108



# Needle files | Riffling files

## 41501 - 41505 Diamond needle files

### Applications

For the machining of cutting, drawing and pressing tools made of cemented carbide or hardened steel as well as moulded parts made of glass, ceramics etc.

### Note:

For screw head handles, see art. no. 41910 and 41911.

### 41501

#### Design

Medium = D 126, universal grain.

### 41502

#### Design

Coarse = D 151, for preliminary filing.

### 41504

#### Design

Medium = D 126, universal grain.

### 41505

#### Design

Fine = D 91, for finishing.

### Set contents 41501 101

- 1 flat hand file
- 1 triangular file
- 1 square file
- 1 half-round file
- 1 round file
- 1 knife file.



41501 101



41504 101

41504 103

41504 104

41504 105

41504 106

41504 107

41504 108

41504 110

41504 111

Set contents	Total length mm	Diamond coating mm	Shank Ø mm	Design	Medium	
					41501	...
6 pieces	140	70	3	in pouch		101

Type	Total length mm	Diamond coating mm	Shank Ø mm	Coarse		Medium		Fine	
				41502	...	41504	...	41505	...
Flat hand file	140	70	3			101		101	101
Flat-pointed	140	70	3					103	
Triangular	140	70	3			104		104	104
Square	140	70	3			105		105	
Half round	140	70	3					106	106
Round	140	70	3			107		107	107
Knife	140	70	3					108	
Lenticular crossing	140	70	3					110	
Barrette	140	70	3					111	

## 41506 - 41508 Diamond riffling files

### PFERD



### Design

D 126 = medium, universal grain.

The precision-forged and ground file blanks are electroplated with diamond grains. The coating, which is uniformly dense, rough and wear resistant, provides great performance.

### Applications

For machining hardened or tempered steels and cemented carbide in cutting, punching, moulding and profiling tools, as well as glass and ceramics.

### Set contents 41506 102

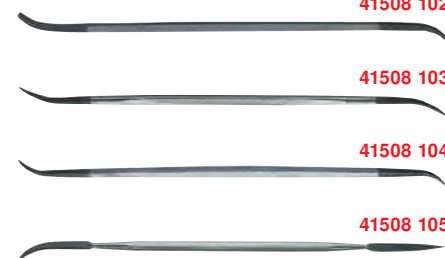
- 1 flat hand file
- 1 round file
- 1 square file
- 1 triangular file
- 1 lenticular crossing file.



41506 102

Set contents	Total length mm	Diamond coating mm	Design	Medium	
				41506	...
5 pieces	150	2 x 25	in pouch		102

Shape	Total length mm	Diamond coating mm	Width x height mm	Medium	
				41508	...
Flat hand file	150	2 x 25	3.1 x 3.0		102
Round	150	2 x 25	3.0		103
Square	150	2 x 25	2.5 x 2.5		104
Triangular	150	2 x 25	3.0		105



41508 102

41508 103

41508 104

41508 105



41570 - 41572

Precision needle file assortment



**Design**

Made from high-grade filing steel with added chromium. A uniform steel structure, high degree of hardness and wear resistance are achieved with careful heat treatment.  
Assortment including **12 different shapes**.

**Note:**

For screw head handles, see art. no. 41910 and 41911.

**41570**

**Design**

In plastic pouch with button fastening.

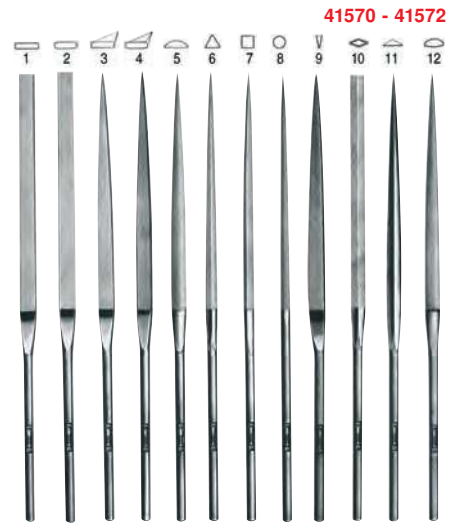
**41572**

**Design**

In plastic stand box.

- Shape 1** flat hand file
- Shape 2** flat hand file with rounded edges
- Shape 3** flat-pointed
- Shape 4** flat-pointed with rounded edges
- Shape 5** half round
- Shape 6** triangular
- Shape 7** square
- Shape 8** round
- Shape 9** knife
- Shape 10** slitting  
(41570 106 = oval)
- Shape 11** barrette
- Shape 12** lenticular crossing

41572



41570 - 41572

	Pouch	...	Box	...
	41570		41572	

Total length mm	German cut	...	...	...
100	2		101	
140	2		103	103
160	2		104	104
200	2		106	

41515 - 41516

Precision needle file assortment

**PFERD**



**Design**

Assortment including **12 different shapes**.

**Note:**

For screw head handles, see art. no. 41910 and 41911.

**41515**

**Design**

In plastic case.

**41516**

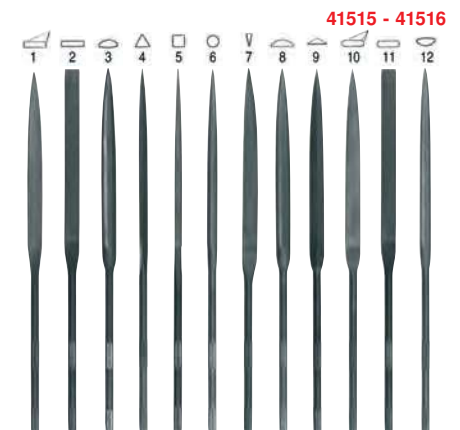
**Design**

In plastic stand box.

- Shape 1** flat-pointed
- Shape 2** flat hand file
- Shape 3** lenticular crossing
- Shape 4** triangular
- Shape 5** square
- Shape 6** round
- Shape 7** knife
- Shape 8** half round
- Shape 9** barrette
- Shape 10** flat-pointed with rounded edges
- Shape 11** flat hand file with rounded edges
- Shape 12** lenticular crossing round-oval

41515

41516



41515 - 41516

Total length mm	Swiss cut	Case		Box	
		41515	...	41516	...
140	1		101		101
160	1		102		102
200	0		103		

41574 - 41576

Precision needle files, flat hand file



**Design**

Made from high-grade filing steel with added chromium.

**Note:**

For screw head handles, see art. no. 41910 and 41911.

41574 - 41576



German Total length mm	Shank Ø mm	Cut 1		Cut 2		Cut 3	
		41574	...	41575	...	41576	...
140	3.00		101		101		101
160	3.00		102		102		102
200	3.50		103		103		103

# Needle files

## 41517 - 41520 Precision needle files, flat hand file



**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41517 - 41520

Swiss			Cut 0	Cut 1	Cut 2	Cut 3				
Total length mm	Crosssection mm	Shank Ø mm	41517	...	41518	...	41519	...	41520	...
140	5.1 x 1.1	3.00		101	101	101	101	101	101	101
160	5.5 x 1.2	3.25		102	102	102	102	102	102	102
200	6.4 x 1.3	3.75		104	104	104	104	104	104	104

## 41578 - 41580 Precision needle files, half round



**Design**  
Made from high-grade filing steel  
with added chromium.

**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41578 - 41580

German		Cut 1	Cut 2	Cut 3			
Total length mm	Shank Ø mm	41578	...	41579	...	41580	...
140	3.00		101	101	101	101	101
160	3.00		102	102	102	102	102
200	3.50		103	103	103	103	103

## 41523 - 41525 Precision needle files, half round



**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41523 - 41525

Swiss			Cut 1	Cut 2	Cut 3			
Total length mm	Crosssection mm	Shank Ø mm	41523	...	41524	...	41525	...
140	5.0 x 1.6	3.00		101	101	101	101	101
160	5.7 x 1.8	3.25		102	102	102	102	102
200	6.4 x 1.8	3.75			104	104	104	104

## 41582 - 41584 Precision needle files, triangular



**Design**  
Made from high-grade filing steel  
with added chromium.

**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41582 - 41584

German		Cut 1	Cut 2	Cut 3			
Total length mm	Shank Ø mm	41582	...	41583	...	41584	...
140	3.00		101	101	101	101	101
160	3.00		102	102	102	102	102
200	3.50		103	103	103	103	103

## 41527 - 41532 Precision needle files, triangular



**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41527 - 41532

Swiss			Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4						
Total length mm	Width mm	Shank Ø mm	41527	...	41528	...	41529	...	41530	...	41531	...	41532	...
140	3.50	3.00			101	101	101	101	101	101	101	101	101	101
160	3.65	3.25			102	102	102	102	102	102	102	102	102	102
200	4.10	3.75		104	104	104	104	104	104	104	104	104	104	104

## 41586 - 41588 Precision needle files, square



**Design**  
Made from high-grade filing steel  
with added chromium.

**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41586 - 41588

German		Cut 1	Cut 2	Cut 3			
Total mm	Shank Ø mm	41586	...	41587	...	41588	...
140	3.00		101	101	101	101	101
160	3.00		102	102	102	102	102
200	3.50		103	103	103	103	103

Sanding/cutting tools

41534 - 41537

Precision needle files, square



**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41534 - 41537

Swiss			Cut 0	Cut 1	Cut 2	Cut 3
Total length	Width	Shank Ø	41534	41535	41536	41537
mm	mm	mm				
140	2.4	3.00		101		101
160	2.4	3.25		102	102	102
200	3.0	3.75				104



41590 - 41592

Precision needle files, round



**Design**  
Made from high-grade filing steel  
with added chromium.

**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41590 - 41592

German		Cut 1	Cut 2	Cut 3
Total	Shank Ø	41590	41591	41592
mm	mm			
140	3.00		101	101
160	3.00		102	102
200	3.50		103	103



41540 - 41542

Precision needle files, round



**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41540 - 41542

Swiss			Cut 0	Cut 1	Cut 2
Total length	Ø	Shank Ø	41540	41541	41542
mm	mm	mm			
140	3.00	3.00			101
160	3.25	3.25			102
200	3.75	3.75			104



41595 - 41596

Precision needle files, flat-pointed



**Design**  
Made from high-grade filing steel  
with added chromium.

**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41595 - 41596

German		Cut 2	Cut 3
Total length	Shank Ø	41595	41596
mm	mm		
140	3.00		101
160	3.00		102



41557 - 41558

CORINOX® needle files



**Design**  
Unusual surface hardness of 1200 HV (Vickers hardness), which makes the files **extremely wear-resistant and durable**. Stainless surface, therefore no corrosion marks on the material to be machined. The files do not clog. Chips can be removed by lightly knocking the file against a hard surface.

**Applications**  
Particularly suitable for hard-to-machine materials, for machining stainless steels such as **V2A, V4A**, highly heat-resistant steels and exotic alloys, but also for fibre-reinforced plastics, amongst others.

**Note:**  
For screw head handles,  
see art. no. 41910 and 41911.

41557 101

41557 102

41557 103

41557 104

41557 105

41557 106

Swiss		Cut 0	Cut 2
Shape	Total length	41557	41558
	mm		
Flat hand file	180	4	101
Half round	180	4	102
Triangular	180	4	103
Square	180	4	104
Round	180	4	105
Flat-pointed	180	4	106



41610 Riffling files



Swiss Shape	Length mm	Width x thickness mm	Cut 2 41610	...
Flat hand file	180	8.2 x 2.5		101
Triangular	180	6.5		103
Square	180	4.5 x 4.5		104
Knife	180	8.5 x 4.0		108



41612 Key file (broaching file) sets DIN 7283 A-F



**Design**  
Thin shape. With handle.

Set contents
1 flat hand file
1 flat-pointed file
1 triangular file
1 square file
1 half-round file
1 round file

Set contents	Length mm	Design	Cut 2 41612	...
6 pieces	100	in plastic pouch		101
6 pieces	100	in metal box		110



41613 Key file (broaching file) set DIN 7283 A-F



**Design**  
With wooden handle.

Set contents
1 flat hand file
1 flat-pointed file
1 triangular file
1 square file
1 half-round file
1 round file

Set contents	Length mm	Design	Cut 2 41613	...
6 pieces	100	in metal box		101



41615 Triangular saw file DIN 7262 B



**Design**  
Narrow.

Cut	Length mm	Width mm	41615	...
2	150	8.5		103



41617 Sash saw file, flat hand file



**Design**  
With two rounded edges.

Cut	Length mm	Crosssection mm	41617	...
2	250	25 x 4.5		109



41621

Bodywork file blades



Design

Curved serration on both sides, straight type. **Outstanding performance and perfect surface quality thanks to positive chip angle, unparallelled curved shape and unique sharpness of teeth.** The teeth are milled, not hammered, from solid stock. Each tooth is formed to roll up the chip in front of the rounded chip area and move it to the large chip chamber. A special finishing process creates **razor-sharp tooth cutting edges** that give the files outstanding cutting performance. Due to the

curved cross-section shape, the tooth cutting edges are not in a straight line, but rather have their greatest height in the middle and their lowest height on the sides. The height difference is approximately 0.4 mm. This prevents the edges of the file touching the workpiece. Thus, **scratches cannot occur.**

Applications

**Perfect for all sheet metal machining** in which the surface must be very smooth and free of grooves. **The work surfaces can be painted immediately after filing.** Finishing polish is not necessary because scratches do not occur.



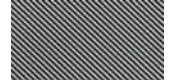
41621 104

41621 106



41621 108

41621 110



Serration	Teeth per inch	Length mm	Crosssection mm	41621	...
1/coarse	9	350	36 x 5.4		104
2/medium	10	350	36 x 5.4		106
3/fine	12	350	36 x 5.4		108
Special crosscut	-	350	36 x 4.9		110

41622

Holders for bodywork file blades



Applications

For bodywork files with a length of 350 mm. Thanks to the clamping mechanism, the bodywork files can be bent into a convex shape with a variable radius. Therefore, special adaptation to different surface shapes is possible.



41622

41622	...
	102

41624

Flat hand engineer's files PLUS®



Design

**With file handle.** 3 sides cut. Extraordinary performance thanks to spade-shaped teeth, which ensure **easy, labour-saving** filing. Wide chip breaker to prevent clogging of the files during soft material machining.

Applications

Universal file is used for roughing and finishing of steel, non-ferrous metals, wood and plastics.



41624

Length mm	Crosssection mm	Plus cut	41624	...
200	20 x 5.0			101
250	25 x 6.0			102

41625 - 41626

Soft metal files



Quality Extra.

Cut	Length mm	Crossection mm	Flat hand file		half round	
			41625	...	41626	...
0	250	25 x 6.0		101		
0	250	25 x 7.0				103



41625



41626

41631

Lightweight metal file



Design

Flat hand file, both surfaces and one narrow side cut.

Cut	Length mm	Crossection mm	41631	...
2	250	25 x 6.0		102



41631

Sanding/cutting tools

**41655 Multi-purpose files**



**Design**

Flat hand file, special cut. One side for roughing, the other for finishing.

**Applications**

For steel, non-ferrous and soft metals, plastics and wood.

41655



Length mm	Crossection mm	41655	...
200	20 x 5.0		101
250	25 x 6.3		102

**41670 Lathe files DIN 7261 H**



**Design**

Single cut, narrow sides blank.

**Quality**  
Extra.

41670



Cut	Length mm	Crossection mm	41670	...
1	250	25 x 6.0		101
1	300	30 x 6.5		102

**41671 Lathe files, flat hand file DIN 7261 H**



**Design**

Single cut, opposite cut.

**Advantage**

The file moves away from the chuck of the lathe for increased safety.

41671



Cut	Length mm	Crossection mm	41671	...
1	250	25 x 6.0		101
1	300	30 x 6.5		102

**41675 - 41677 Planer cutters and files**



**Design**

The interchangeable cutting blades work according to the plane principle. The material is cut by the razor-sharp teeth and ejected up through the blade. The teeth do not clog. With cutting blade 250 x 42 mm = art. no. 41678 101.

**Applications**

For coarse and fine machining of different materials.

**41675**

**Standard plane**

**41676**

**Combination plane**

**Applications**

Can be used with the handle raised as a plane or folded down as a file.

**41677**

**Standard file**

41675

41676

41677



	Standard plane	Combination plane	Standard file	
	41675	...	41676	...
		...	41677	...
		101	101	101

**41678 - 41681 Replacement blades for planer cutters and files**



**41678**

**Standard cutting blade, straight**

**Applications**

For processing hard and softwood, chipboard, plywood, vinyl, plaster etc.

**41679**

**Fine cutting blade, straight**

**Applications**

For processing hard and softwood, end-grain wood, vinyl, plaster, non-ferrous metals etc.

**41680**

**Half round cutting blade**

**Applications**

For processing hard and softwood, end-grain wood, vinyl, plaster etc.

**41681**

**Special cutting blade**

**Applications**

For processing fibreglass, non-ferrous metals, iron, plastic panels, plastic filler etc.

41678

41679

41680

41681



Size mm	Standard	Fine cut	Half round	Special
	41678	...	41680	...
		41679	...	41681
250 x 42		101	101	102



## 41700

## Thread files



## Design

Milled, finely polished.

## Applications

For reworking damaged female and male threads.

## 41700 101

## Design

With 8 leads 0.8–3 mm.

For metric thread.

## 41700 102

## Design

24–10 pitch per inch.

For Ww thread.

	41700	...
8 leads/metric thread	101	
24–10 pitch per inch/Ww thread	102	



41700

## 41755

## Chainsaw files

## PFERD



## Design

Round files with precise, non-slip spiral cut and a cutting edge that sharpens quickly without any grooves. Long service life.

## Applications

For chainsaw sharpeners cat. no. 41750.

## Quality

Tool steel.

## Note:

For compatible file handle, see art. no. 41885 101 + 41886 101.

Ø	Length	41755	...
mm	mm		
4.0	200	102	
4.8	200	104	
5.5	200	106	



41755

## 41802

## Wood rasps, flat hand file DIN 7263 A



## Design

With sharp, deeply cut teeth.

## Note:

For wood rasp handles, see art. no. 41904–41905.

			Cut 1	...
Length	Crosssection		41802	
mm	mm			
200	20 x 6.5		101	
250	25 x 7.5		102	
300	30 x 8.0		103	



41802

## 41803 - 41804

## Wood rasps, half round DIN 7263 C



## Design

With sharp, deeply cut teeth.

## Note:

For wood rasp handles, see art. no. 41904–41905.

			Cut 1	...	Cut 2	...
Length	Crosssection		41803		41804	
mm	mm					
200	21 x 7.5		101		101	
250	25 x 8.5		102		102	
300	30 x 10.0		103		103	



41803 - 41804

## 41805

## Wood rasps, round DIN 7263 E



## Design

With sharp, deeply cut teeth.

## Note:

For wood rasp handles, see art. no. 41904–41905.

			Cut 2	...
Length	Ø		41805	
mm	mm			
200	9.5		101	
250	11.5		102	



41805

## 41822

## Wood rasps DIN 7263 D (cabinet rasps)



## Design

Flat half round.

## Note:

For wood rasp handles, see art. no. 41904–41905.

			Cut 2	...
Total length	Crosssection		41822	
mm	mm			
250	29 x 7.0		102	
300	34 x 8.0		103	



41822



41885 Plastic file handles



Design

Impact-resistant plastic, **reusable**, patented tang mount with displacement chamber, octagonal cross-section at the end ensures that the file will not roll away. Air chambers remove hand moisture, hanging hole. The semi-circular shape of the handle's end distributes pressure over a wide surface area on the base of the thumb during roughing work, minimising strain.

For file length mm	Total length mm	Applications	41885	...
100-150	90	Chainsaw files + key files + very narrow tangs	101	
100-150	90	Standard tangs	102	
200-250	110	All tangs	103	
300-350	130	All tangs	104	

41885 101-102



41885 103



41885 104



41886 Ergonomic file handles



Design

Made of two components with soft gripping surface. **Very comfortable** thanks to the perfect ergonomic shape, soft plastic in the gripping area, large, rounded contact surfaces. **Maximum occupational safety** due to the fact that the handle shape is designed to fit the natural contours of the hand. No danger of injuries caused by the sharp corners and edges of the files. The octagonal shape of the end of the handle prevents it from rolling away. Frictional connection between hand and handle. Effortless work. Good force transfer and comfort when using the handle. **Reusable**. Recyclable raw materials.

For file length mm	Total length mm	Applications	41886	...
100-150	110	Chainsaw files + key files + very narrow tangs	101	
100-150	110	Standard tangs	102	
200-250	115	Flat hand, flat-pointed, half round profiles	103	
300-350	115	Flat hand, flat-pointed, half round profiles	105	

41886 101



41886 102



41886 103



41886 105



41904 - 41910 File handles/screw head handle

41904

Design

Beech wood, with pressed-in steel ferrule.

41910

Design

Closed plastic handle with jaw insert.

Applications

For quick mounting of needle files.

Total length mm	For file length mm	File handle 41904	...	Screw head handle 41910	...
80	< 100		102		
90	< 125		103		
100	100 - 175		104		
110	150 - 250		105		
120	150 - 300		106		
130	200 - 300		107		
140	250 - 350		108		
160	> 350		110		
85	120 - 200				101

41904



41910



41911 Tool handle with spring collet and knob clamping

Design

High-quality GFRP handle perfect for: triangular scrapers, needle files, marking-off needles, drills. Rapid switching.

Applications

For quick and stable fastening of needle files, small drills, scrapers, reamers etc.

Chucking range mm	Handle length mm	41911	...
2.2-4.5	90		101

41911

