

41000

Engineers' File Sets



HASE

Type

Extra quality, with plastic handles, in bag.

Set contents 41000 101-106

- 1 Hand file,
- 1 Halfround file,
- 1 Round file,
- 1 Threesquare files

4-piece

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 Hand file,
- 1 Halfround file,
- 1 Round file,
- 1 Threesquare file,
- 1 Square files.

5-piece

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

41000



5-piece

Length mm	Cut	41000	...
200	3	207	
250	3	208	
300	3	209	

41100

Engineers' File Sets

PFERD



Type

High-quality files, with ergonomically-shaped file handles, in weather-proof PVC roll-bag.

5-piece

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

Set contents

- 1 Hand file,
- 1 Halfround, taper profile,
- 1 Round file,
- 1 Threesquare file,
- 1 Square files.

5-piece

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

41100



41001 - 41003

Engineers' Hand 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

Engineers' Hand 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

Engineers' Semicircular 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			



41110 - 41112 Engineers' Halfround Files DIN 7261 E



Type
Pointed tip, outstanding performance thanks to special PFERD spiral cut.

41110 - 41112



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 Engineers' Threesquare 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 Engineers' Threesquare 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 Engineers' Square 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 Engineers' Square 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 Engineers' Round 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 Engineers' Round Files DIN 7261 F



41119 - 41121

Type
Outstanding performance thanks to special PFERD spiral cut.



Length mm	Ø mm	Cut 1		Cut 2		Cut 3	
		41119	...	41120	...	41121	...
100	4,0			101		101	
150	6,0			102		102	
200	7,5			103		103	

Length mm	Ø mm	Cut 1		Cut 2		Cut 3	
		41119	...	41120	...	41121	...
250	9,5			104		104	
300	12,0			105		105	

41032 - 41033 Engineers' Knife Files DIN 7261 G



Quality
Extra.

41032 - 41033

Type
Back uncut.



Length mm	Cross section mm	Cut no. 2		Cut no. 3	
		41032	...	41033	...
200	22 x 5,0			102	102

Length mm	Cross section mm	Cut no. 2		Cut no. 3	
		41032	...	41033	...
250	27 x 6,5			103	103

Info

Precision files see cat. pages 41.3 - 41.11

Precision files meet the highest standards when it comes to accuracy of shape, cutting rate and service life. Precision files are smaller, more comfortable to use than regular engineer's files 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. Furthermore, they are needed for installing and making of complicated high-precision machines.

Comparison Swiss Cut vs. 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 Hand Files



Type
Regular width, 3 sides cut.

41050 - 41054



German Length mm	Cross section 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
125	12,5 x 3,2			102		102		102		102	
150	16,0 x 4,0			103		103		103		103	
200	21,3 x 4,8			104		104		104		104	
250	25,3 x 6,3			105		105		105		105	
300	29,3 x 7,8			106		106		106			

41131 - 41135 Precision Hand Files



Type
Regular width, 3 sides cut.

41131 - 41135



Swiss Length mm	Cross section 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 Hand Files/Pin Files



Type
Semi-narrow, 3 sides cut.

41055 - 41057

German		Cut 1	Cut 2	Cut 3
Length mm	Cross section 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 Hand Files/Pin Files



Type
Narrow, 3 sides cut.

41058 - 41060

German		Cut 1	Cut 2	Cut 3
Length mm	Cross section mm	41058	41059	41060
125	8,0 x 3,0	# 101		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 Hand Files/Pin Files



Type
Extra narrow, 3 sides cut.

41062 - 41064

German		Cut 1	Cut 2	Cut 3
Length mm	Cross section 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 Halfround Files



Type
With fine tip.

41066 - 41068

German		Cut 1	Cut 2	Cut 3
Length mm	Cross section mm	41066	41067	41068
100	12,7 x 3,5	101	# 101	101
150	18,0 x 5,5	103	103	103
200	21,1 x 6,3	104	# 104	104

41153 - 41155 Precision Halfround Files



Type
With fine tip.

41153 - 41155

Swiss		Cut 1	Cut 2	Cut 3
Length mm	Cross section mm	41153	41154	41155
150	16 x 4,5	# 102	102	# 102
200	21 x 6,0	# 103	# 103	# 103
250	25 x 7,0	# 104		

41071 - 41073 Precision Threesquare Files



Type
With fine tip.

41071 - 41073

German		Cut 1	Cut 2	Cut 3
Length mm	Width mm	41071	41072	41073
100	5,8	101	# 101	# 101
150	10,3	103	103	103
200	14,2	104	104	104

41076 - 41078

Precision Square Files



41076 - 41078

Type
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

Type
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

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



German		Cut 1	Cut 2	Cut 3
Length mm	Cross section mm	41084	41085	41086
200	22 x 4,2	102	102	102

41176

Precision Knife Files



41176

Type
Back uncut.



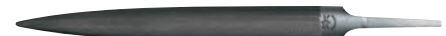
Swiss		Cut 2
Length mm	Cross section mm	41176
200	22 x 5	103

41178

Precision Crossing Files



41178



Swiss		Cut 2
Length mm	Cross section mm	41178
150	16 x 4,5	101

41095 - 41097

Precision Barrette Files



41095 - 41097

Type
Only the flat sides cut (flat roof shape)



German		Cut 1	Cut 3
Length mm	Cross section 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

Abrasive Tools/
Separating Tools

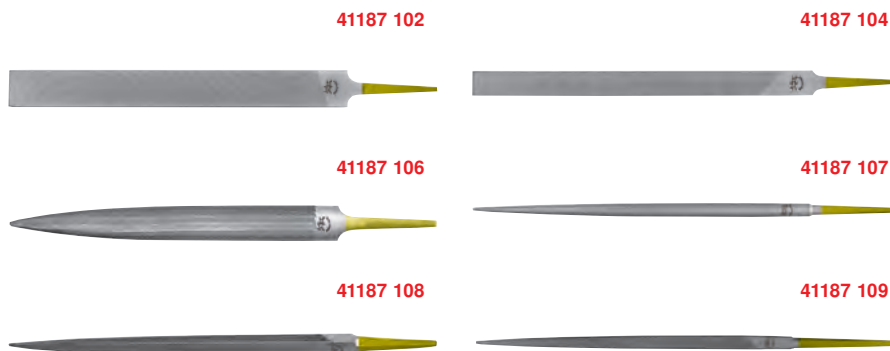


41185 - 41187 CORINOX® Precision Files



Type
Unusual surface hardness (1200 HV), therefore the files are extremely wear-resistant and have a long service life. Stainless surface, therefore no corrosion marks on the material that is being processed. The files do not clog. Chips can be removed by lightly knocking the file against a hard surface.

Use
Especially suitable for hard-to-machine materials, for machining stainless steel, e.g. V2A, V4A, highly heat-resistant steel, exotic alloys, but also for fibre-reinforced plastics and similar materials.



Swiss Shape	Length mm	Cross section mm	Type	Cut 00		Cut 0		Cut 2	
				41185	...	41186	...	41187	...
Hand	150	18 x 4	3 sides cut		101		101		
Hand	200	22 x 5	3 sides cut	#	102		102		102
Hand/pin files	150	13 x 4	pillar file, 2 sides cut	#	103	#	103		
Hand/pin files	200	15 x 5	pillar file, 2 sides cut	#	104	#	104		104
Halfround	150	16 x 4,5	-				105		
Halfround	200	21 x 6,0	-				106		106
Round	200	8	-				107		107
Threesquare	200	14 x 14	-				108		108
Square	150	6 x 6	-			#	109	#	109

41205 - 41206 Milled Tooth Files DIN 7264 A / D



Type
Teeth cut at an angle, with chip-breaking grooves. Fast filing action even with light pressure (labour-saving). No wave formations on the workpiece, if files are guided diagonally (to the right and left – not at right angles) relative to the surface.

Use
Toothing 1 = coarse (approx. 9 tpi), for steel, bronze, iron (large areas) and for aluminium, tin, lead, leather, plastics etc.
Toothing 2 = medium (approx. 12 teeth per inch), for steel, bronze, iron (small areas).

Quality
Chrome-alloyed special steel.

Note:
Cat.-no. 41206 102 hollow, teeth on halfround side only.

Toothing	Length mm	Cross section mm	Flat		Halfround	
			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



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

Use
For rough metal cutting of soft metal, such as unhardened steel, grey cast iron, copper, brass.



Toothing	Length mm	Cross section mm	41210	...
1	300	31 x 8,3		102
1	350	36 x 8,8	#	103

When you think laterally ...

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... new ideas arise.

Performance requires quality

41484 - 41487

Handy Diamond Files



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

D 126 = Medium, universal grain.
Precision-forged and ground file blanks are electroplated with diamond grains. The coating, which is uniformly dense, rough and wear-resistant, provides for great performance.

Use

For machining hardened and/or tempered steel and carbide in cutting, punching, moulding and profiling machines as well as glass, ceramics and fibre-reinforced plastics.

Set contents 41484 101

- 1 Hand file,
- 1 Halfround file,
- 1 Threesquare file,
- 1 Square file,
- 1 Round file.

Set contents	Overall length mm	Diamond coating mm	Type	Medium 41484	...
5-piece	215	100	in pouch	101	

Shape	Overall length mm	Diamond coating mm	Width x Height mm	Medium 41487	...
Hand	215	100	10,3 x 2,8	101	
Halfround	215	100	12,5 x 3,8	102	
Threesquare	215	100	10,0	103	
Square	215	100	5,5 x 5,5	104	
Round	215	100	6,7	105	



41484 101



41487 101

41487 102

41487 103

41487 104

41487 105

41490 - 41492

Diamond Needle Files



Type
D 126 = Medium, universal grain.

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

Use

For processing of hardened or tempered steel and carbide in cutting, punching, moulding and profiling machines as well as glass and ceramics.

Note:

Chucking file handles see cat.-no. 41910 and 41911.

Set contents 41490 101

- 1 Hand file,
- 1 Threesquare file,
- 1 Square file,
- 1 Halfround file,
- 1 Round file.

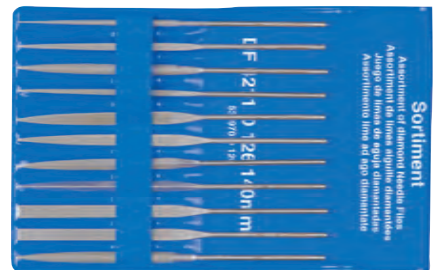
Set contents 41490 102

- 1 Hand file,
- 1 Hand file with round edges,
- 1 Warding file,
- 1 Threesquare file,
- 1 Square file,
- 1 Halfround file,
- 1 Round file,
- 1 Knife file,
- 1 Slitting file,
- 1 Crossing file,
- 1 Barrette file.

Set contents	Overall length mm	Diamond coating mm	Shank Ø mm	Type	Medium 41490	...
5-piece	140	70	3	in pouch	101	
11-piece	140	70	3	in pouch	102	



41490 101



41490 102



41492 101

41492 102

41492 103

41492 104



41492 105

41492 106

41492 107

41492 108

Shape	Overall length mm	Diamond coating mm	Shank Ø mm	Width x Height mm	Medium 41492	...
Hand	140	70	3	5,5 x 1,6	101	
Hand with round edges	140	70	3	5,5 x 1,6	102	
Warding	140	70	3	5,5 x 1,6	#	103
Threesquare	140	70	3	3,5		104
Square	140	70	3	2,6 x 2,6		105
Halfround	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



Abrasive Tools/
Separating Tools

41501 - 41505 Diamond Needle Files

Use
For processing of cutting, drawing and pressing machines made of carbide or hardened steel and of moulded parts made of glass, ceramics etc.

Note:
Chucking file handles see cat.-no. 41910 and 41911.

41501
Type
Medium = D 126, universal grain

41502
Type
Coarse = D 151, for rough filing.

41504
Type
Medium = D 126, universal grain

41505
Type
Fine = D 91, for finishing.

Set contents 41501 101
1 Hand file,
1 Threesquare file,
1 Square file,
1 Halfround file,
1 Round file,
1 Knife file.



Set contents	Overall length mm	Diamond coating mm	Shank Ø mm	Type	Medium	
					41501	...
6-piece	140	70	3	in In pouch		101

Shape	Overall length mm	Diamond coating mm	Shank Ø mm	Medium					
				Coarse 41502	...	41504	...	Fine 41505	...
Hand	140	70	3		101		101		101
Warding	140	70	3			#	103		
Threesquare	140	70	3	#	104		104	#	104
Square	140	70	3		105		105		
Halfround	140	70	3				106		106
Round	140	70	3	#	107		107		107
Knife	140	70	3				108		
Crossing	140	70	3			#	110		
Barrette	140	70	3				111		

41506 - 41508 Diamond Rifflers



Type
D 126 = Medium, universal grain.
Precision-forged and ground file blanks are electroplated with diamond grains. The coating, which is uniformly dense, rough and wear-resistant, provides for great performance.

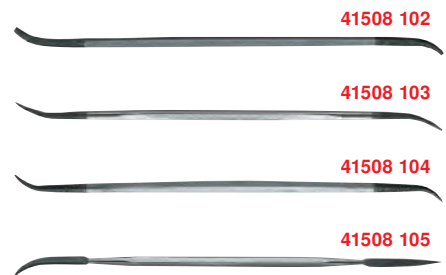
Use
For processing of hardened or tempered steel and carbide in cutting, punching, moulding and profiling machines as well as glass and ceramics.

Set contents 41506 102
1 Hand file,
1 Round file,
1 Square file,
1 Threesquare file,
1 Crossing file.



Set contents	Overall length mm	Diamond coating mm	Type	Medium	
				41506	...
5-piece	150	2 x 25	in pouch		102

Shape	Overall length mm	Diamond coating mm	Width x Height mm	Medium	
				41508	...
Hand	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
Threesquare	150	2 x 25	3,0	#	105



41570 - 41572

Precision Needle File Assortments



Type
Of high-quality file steel with chromium addition. Uniform steel structure, high hardness and wear-resistance are achieved thanks to careful heat-treatment.

12 different shapes.

Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41570
Type
In plastic pouch with push-button closure.

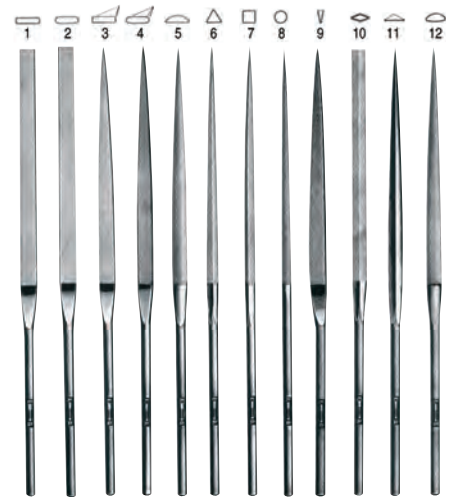
41572
Type
In plastic stand box.

- Shape 1 Hand,
- Shape 2 Warding with round edges,
- Shape 3 Warding,
- Shape 4 Warding with round edges,
- Shape 5 Halfround,
- Shape 6 Threesquare,
- Shape 7 Square,
- Shape 8 Round,
- Shape 9 Knife,
- Shape 10 Slitting
(41570 106 = oval),
- Shape 11 Barrette
- Shape 12 Crossing.



41572

41570 - 41572



Abrasive Tools/
Separating Tools

Overall length mm	German Cut	In pouch		Box	
		41570	...	41572	...
100	2			101	
140	2			103	103
160	2			104	104
200	2			106	

41515 - 41516

Precision Needle File Assortments

PFERD



Type
12 different shapes.

Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41515
Type
In plastic case.

41516
Type
In plastic stand box.

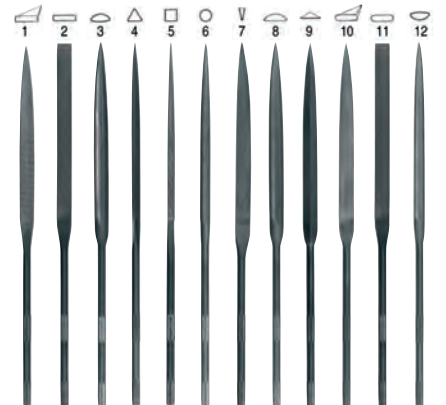
- Shape 1 Warding
- Shape 2 Hand,
- Shape 3 Crossing,
- Shape 4 Threesquare,
- Shape 5 Square,
- Shape 6 Round,
- Shape 7 Knife,
- Shape 8 Halfround,
- Shape 9 Barrette,
- Shape 10 Warding with round edges,
- Shape 11 Hand with round edges,
- Shape 12 Crossing round-oval.



41515

41516

41515 - 41516



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

Needle Files

41574 - 41576

Precision Needle Files, Hand



Type

Of high-quality file steel with chromium addition.

Note:

Chuckling file handles see cat.-no. 41910 and 41911.

41574 - 41576



German		Cut 1	Cut 2	Cut 3
Overall length	Shank Ø	41574	41575	41576
mm	mm	...	...	...
140	3,00	101	101	101
160	3,00	102	102	102
200	3,50	103	103	103

41517 - 41520

Precision Needle Files, Hand



Note:

Chuckling file handles see cat.-no. 41910 and 41911.

41517 - 41520



Swiss			Cut 0	Cut 1	Cut 2	Cut 3
Overall length	Cross section	Shank Ø	41517	41518	41519	41520
mm	mm	mm	...	...	...	...
140	5,1 x 1,1	3,00	101	101	101	101
160	5,5 x 1,2	3,25	102	102	102	102
200	6,4 x 1,3	3,75	104	104	104	104

41578 - 41580

Precision Needle Files, Halfround



Type

Of high-quality file steel with chromium addition.

Note:

Chuckling file handles see cat.-no. 41910 and 41911.

41578 - 41580



German		Cut 1	Cut 2	Cut 3
Overall length	Shank Ø	41578	41579	41580
mm	mm	...	...	...
140	3,00	# 101	101	101
160	3,00	102	102	102
200	3,50	103	103	103

41523 - 41525

Precision Needle Files, Halfround



Note:

Chuckling file handles see cat.-no. 41910 and 41911.

41523 - 41525



Swiss			Cut 1	Cut 2	Cut 3
Overall length	Cross section	Shank Ø	41523	41524	41525
mm	mm	mm	...	...	...
140	5,0 x 1,6	3,00	# 101	101	101
160	5,7 x 1,8	3,25	102	102	102
200	6,4 x 1,8	3,75		104	104

41582 - 41584

Precision Needle Files, Threesquare



Type

Of high-quality file steel with chromium addition.

Note:

Chuckling file handles see cat.-no. 41910 and 41911.

41582 - 41584



German		Cut 1	Cut 2	Cut 3
Overall length	Shank Ø	41582	41583	41584
mm	mm	...	...	...
140	3,00	101	101	101
160	3,00	# 102	102	102
200	3,50	103	103	103

41527 - 41532

Precision Needle Files, Threesquare



Note:

Chuckling file handles see cat.-no. 41910 and 41911.

41527 - 41532



Swiss			Cut 00	Cut 0	Cut 1	Cut 2	Cut 3	Cut 4
Overall Length	Width	Shank Ø	41527	41528	41529	41530	41531	41532
mm	mm	mm	...	...	...	...	...	...
140	3,50	3,00		# 101	# 101	101	101	101
160	3,65	3,25		102	102	102	# 102	# 102
200	4,10	3,75	104	104		104	104	104

Abrasive Tools/
Separating Tools

41586 - 41588

Precision Needle Files, Square



Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41586 - 41588



Type
Of high-quality file steel with chromium addition.

German		Cut 1		Cut 2		Cut 3	
Overall length	Shank Ø	41586	...	41587	...	41588	...
mm	mm						
140	3,00	#	101	#	101		101
160	3,00		102		102		102
200	3,50		103		103		103

41534 - 41537

Precision Needle Files, Square



Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41534 - 41537



Swiss			Cut 0		Cut 1		Cut 2		Cut 3	
Overall length	Width	Shank Ø	41534	...	41535	...	41536	...	41537	...
mm	mm	mm								
140	2,4	3,00	#	101					101	101
160	2,4	3,25	#	102	#	102	#	102	#	102
200	3,0	3,75					#	104		

41590 - 41592

Precision Needle Files, Round



Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41590 - 41592



Type
Of high-quality file steel with chromium addition.

German		Cut 1		Cut 2		Cut 3	
Overall length	Shank Ø	41590	...	41591	...	41592	...
mm	mm						
140	3,00			101		101	101
160	3,00			102		102	102
200	3,50			103		103	103

41540 - 41542

Precision Needle Files, Round



Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41540 - 41542



Swiss			Cut 0		Cut 1		Cut 2	
Overall length	Ø	Shank Ø	41540	...	41541	...	41542	...
mm	mm	mm						
140	3,00	3,00					101	101
160	3,25	3,25	#	102	#	102	#	102
200	3,75	3,75						104

41595 - 41596

Precision Needle Files, Warding



Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41595 - 41596



Type
Of high-quality file steel with chromium addition.

German		Cut 2		Cut 3	
Overall length	Shank Ø	41595	...	41596	...
mm	mm				
140	3,00	#	101	#	101
160	3,00	#	102	#	102

41606 - 41608

Precision Needle Files, Knife Shape



Note:
Chuckling file handles see cat.-no. 41910 and 41911.

41606 - 41608



Type
Of high-quality file steel with chromium addition.

German		Cut 1		Cut 2		Cut 3	
Overall length	Shank Ø	41606	...	41607	...	41608	...
mm	mm						
140	3,00	#	201		101		
160	3,00		202	#	102		102

Abrasive Tools/
Separating Tools



41557 - 41558 CORINOX® Needle Files

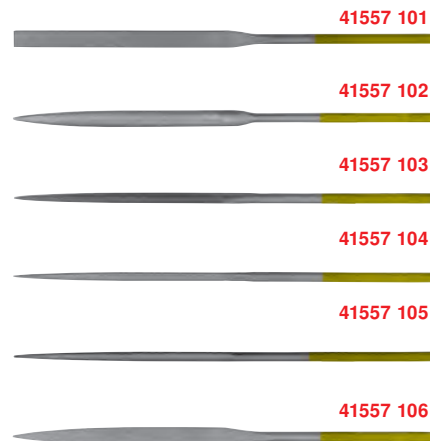


Type
Unusual surface hardness (1200 HV), therefore the files are **extremely wear-resistant and have a long service life**. Stainless surface, therefore no corrosion marks on the material that is being processed. The files do not clog. Chips can be removed by lightly knocking the file against a hard surface.

Use
Particularly suitable for hard-to-process materials, for processing of stainless steel, e.g. **V2A, V4A**, highly heat-resistant steel, exotic alloys, but also for fibre-reinforced plastics and similar materials.

Note:
Chucking file handles see cat.-no. 41910 and 41911.

Swiss Shape	Overall length mm	Shank Ø mm	Cut 0		Cut 2	
			41557	...	41558	...
Hand	180	4		101		101
Halfround	180	4		102		102
Threesquare	180	4		103		103
Square	180	4	#	104		104
Round	180	4	#	105		105
Warding	180	4	#	106		106



Abrasive Tools / Separating Tools

41610 Rifflers



Swiss Shape	Length mm	Width x Thickness mm	Cut 2
Hand	180	8,2 x 2,5	101
Threesquare	180	6,5	103
Square	180	4,5 x 4,5	104
Knife	180	8,5 x 4,0	108



41612 Key files (Die Sinker's Files) Sets DIN 7283 A-F



Type
Thin shape. With handle.

Set contents
1 Hand file,
1 Warding file,
1 Threesquare file,
1 Square file,
1 Halfround file,
1 Round file.

Set contents	Length mm	Type	Cut 2
6-piece	100	in plastic pouch	101
6-piece	100	in metal cassette	110



41613 Key Files (Die Sinker's Files) Set DIN 7283 A-F



Type
With wooden handle.

Set contents
1 Hand file,
1 Warding file,
1 Threesquare file,
1 Square file,
1 Halfround file,
1 Round file.

Set contents	Length mm	Type	Cut 2
6-piece	100	in metal cassette	101



41615

Threesquare saw file DIN 7262 B



Type
Narrow.

41615



Cut	Length mm	Width mm	41615	...
2	150	8,5		103

41617

Sash Saw File, Hand



Type
With two round edges.

41617



Cut	Length mm	Cross section mm	41617	...
2	250	25 x 4,5		109

41621

Car Body File Blades



Type
Curved teeth on both sides, straight type. **Extraordinary performance and perfect surface quality thanks to positive rake angle, unparallelled ball shape and sharpness of teeth.** The teeth are milled, not hammered, from solid stock. Each tooth is formed in such a way that the chip must roll itself up in front of the rounded chip area and move to the large chip chamber. A special finishing procedure **enables razor-sharp** tooth cutting edges that give the files outstanding metal-cutting capacity. Due to the spherical cross section shape the tooth cutting edges are not in a straight surface, but rather have

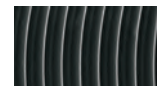
their greatest height in the middle and their lowest height on the sides. The height difference is approx. 0,4 mm. This prevents the edges of the file touching the workpiece. Thus **scratches cannot occur.**

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



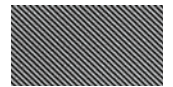
41621 104

41621 106



41621 108

41621 110



Toothing	Teeth per inch	Length mm	Cross section mm	41621	...
1/ coarse	9	350	36 x 5,4		104
2/mittel	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 Car Body File Blades



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



41622



41622	...
	102

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41624

Workshop Hand PLUS® Files

PFERD



Type

With handle. 3 sides cut. Extraordinary performance thanks to spade-shaped teeth, which **ensure easy filing**. Wide chip breakers prevent the clogging of the files when machining soft materials.

Use

Universal files for roughing and finishing of steel, non-ferrous metals, wood and plastics.

41624



Plus cut

Length mm	Cross section mm	41624	...
200	20 x 5,0	101	
250	25 x 6,0	102	

41625 - 41626

Tin Files



HASE

Quality

Extra.

Cut	Length mm	Cross section mm	Hand		Halfround	
			41625	...	41626	...
0	250	25 x 6,0	#	101		
0	250	25 x 7,0				103

41625



41626



41631

Aluminium Files



HASE

Type

Hand, both surfaces and one narrow side cut.

Cut	Length mm	Cross section mm	41631	...
2	250	25 x 6,0		102

41631



41655

Multi-Purpose Files

DICK

Type

Hand, special cut. One side for roughing, the other side for finishing.

Use

For steel, aluminium and soft metals, plastics and wood.

41655

Length mm	Cross section mm	41655	...
200	20 x 5,0	101	
250	25 x 6,3	102	



41670

Lathe Files DIN 7261 H



HASE

Type

Single cut, narrow sides uncut.

Quality

Extra.

41670

Cut	Length mm	Cross section mm	41670	...
1	250	25 x 6,0		101
1	300	30 x 6,5		102



41671

Lathe Files, hand DIN 7261 H

PFERD



Type

Single cut, opposite cut.

Advantage:

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

41671

Cut	Length mm	Cross section mm	41671	...
1	250	25 x 6,0		101
1	300	30 x 6,5	#	102



41675 - 41677

Planer Cutters and Planer Files

STANLEY

Type

The interchangeable cutting blades work according to the plane principle. The material is cut by the razor-sharp teeth and tossed out upward through the blade. The teeth do not clog.

With cutting blade 250 x 42 mm = cat.-no. 41678 101.

Use

For coarse and fine processing of different materials.

41675
Standard Plane

41676
Combination Plane

Use
Can be used with raised handle as plane, or with handle thrown over as file.

41677
Standard File



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

41678 - 41681

Replacement blades for planer cutters and planer files

STANLEY

41678

Standard cutting blade, straight

Use

For processing of hardwood and softwood, chipboard, plywood, vinyl, plaster, etc.

41679

Fine Cutting Blade, Straight

Use

For processing of hardwood and softwood, cross-cut wood, vinyl, plaster, non-ferrous metals, etc.

41680

Halfround cutting blade

Use

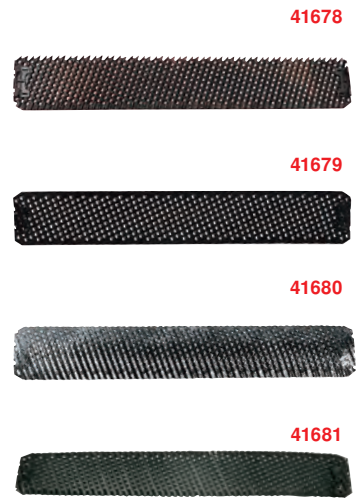
For processing of hardwood and softwood, cross-cut wood, vinyl, plaster, etc.

41681

Special Cutting Blade

Use

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



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

41700

Thread Files



HASE

Type

Milled, finely polished.

Use

For reworking damaged internal and external thread.

41700 101

Type

With 8 leads 0,8 - 3 mm.

For metric thread.

41700 102

Type

24 - 10 pitch per inch.

For Ww thread.

	41700	...
8 pitches/ metric thread		101
24-10 pitch per inch/ Ww thread		102



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41750

Chain Saw Sharpener CHAIN SHARP CS-X



Type

- No time-intensive conversion, change from left to right tooth by turning the device.
- Easy changing of the dull files through the side opening. Thus all three files can be effortlessly changed.
- Due to the design, incorrect installation of the files is not possible.
- Symbols for saw and saw tooth and files for the filing direction explain the tool.

The chain saw sharpener CHAIN SHARP CS-X consists of:

- Sharpener,
- 2 chain saw files,
- 1 depth limiter file.

Delivery with detailed operating instructions in the self-service pouch.

Use

Outstandingly suited for hand-sharpening of saw chains. Saw tooth and depth limiter are sharpened in one work step. Different sharpeners are required depending on the chain saw size.

Sharpening by hand saves money, is economical and for much easier on the saw chain than machine sharpening. Sharpening with CHAIN SHARP CS-X guarantees longer service life and use of the saw chain.

Note:

For matching chain saw files see cat.-no. 41755.



41750

Suitable for chain saw file Ø mm	Chain saw file cat.-no.	41750	...
4,0	41755 102	#	201
4,8	41755 104		202
5,5	41755 106	#	204

41755

Chain Saw Files



Type

Round files with precise spiral, with special grip and the cutting edge sharpens quickly and completely free of scoring. Long service life.

Use

For chain saw sharpeners cat.-no. 41750.

Quality

Tool steel.

Note:

Suitable file handle see cat.-no. 41885 101 + 41886 101.



41755

Ø mm	Length mm	41755	...
4,0	200		102
4,8	200		104
5,5	200		106

41802

Wood Rasps, Hand DIN 7263 A



Type

With sharp, deeply cut teeth.

Note:

Wood rasp handles see cat.-no. 41904 - 41905.



41802

Length mm	Cross section mm	Cut 1 41802	...
200	20 x 6,5		101
250	25 x 7,5		102
300	30 x 8,0		103

1803 - 41804

Wood Rasps, Halfround DIN 7263 C



Type

With sharp, deeply cut teeth.

Note:

Wood rasp handles see cat.-no. 41904 - 41905.



1803 - 41804

Length mm	Cross section mm	Cut 1 41803	...	Cut 2 41804	...
200	21 x 7,5		101		101
250	25 x 8,5		102		102
300	30 x 10,0		103		103

Abrasive Tools / Separating Tools

41805

Wood Rasps, Round DIN 7263 E



Type

With sharp, deeply cut teeth.

Note:

Wood rasp handles see cat.-no. 41904 - 41905.

41805



Length mm	Ø mm	Cut 2 41805	...
200	9,5		101
250	11,5		102

41822

Wood Rasps DIN 7263 D (Cabinet Rasps)



Type

Hand halfround

Note:

Wood rasp handles see cat.-no. 41904 - 41905.

41822



Overall length mm	Cross section mm	Cut 2 41822	...
250	29 x 7,0	#	102
300	34 x 8,0		103

41885

Plastic File Handles

PFERD



Type

Impact-proof plastics, **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 sweat, hang-up hole. The semicircular shape of the handle's end touches the ball of the thumb in a large area, therefore the strain on the hand during roughing work is distributed very well.

For file length mm	Overall length mm	Use	41885	...
100 - 150	90	Chain saw 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

PFERD



Type

Made of two components with soft grip surface. **Very comfortable thanks to the** perfect ergonomic shape, soft plastics in the gripping area, large, rounded contact surfaces. **Maximum occupational safety** thanks to the fact that the handle is shaped after the hand. No danger of injuries caused by the sharp edges of the files. The octagonal shape of the end of the handle ensures that the file will not roll away. High friction between hand and handle. Fatigue-free work. High force transmission and good guiding of the handle. **Can be reused several times.** Recyclable raw materials.

41886 101



41886 103



41886 102



41886 105



For file length mm	Overall length mm	Use	41886	...
100 - 150	110	Chain saw files + key files + very narrow tangs		101
100 - 150	110	standard tangs		102
200 - 250	115	Profile Hand, Warding, Halfround		103
300 - 350	115	Profile Hand, Warding, Halfround		105



41904 - 41910 File Handles/Chucking File Handle

41904
Type
 Beechwood, with pressed-in steel ferrule.

41910
Type
 Closed plastic handle with jaw insert.
Use
 For quick mounting of needle files.



41904



41910

Overall length mm	For file length mm	File Handles		Chucking Handles	
		41904	...	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

41911 Tool Handles with Spring Collet and Knob Clamping

Type
 High-quality GRP handle perfect for: triangular scrapers, needle files, scriber points, drills. Fast change.

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



41911

Chucking range mm	Handle length mm	41911	...
2,2 - 4,5	90		101

System Prefab Office SHB 50



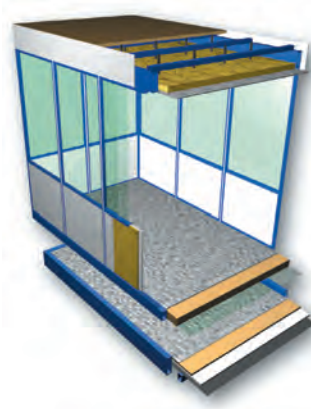
Use

Individual spatial concepts - turnkey solutions.

The Prefab Office SHB 50 is the optimal spatial solution - from the small foreman's office to the 2-storey large facility with many advantages:

- Fast and easy installation through monoblock elements
- Optimal protection against noise and dust
- Effective use of space
- Turnkey solution
- Easy extensibility
- Cost-effective transferability
- Room heights to 3000 mm

Design



Standard floor

Transport floor

Additional information on request



1-storey spatial solution



2-storey spatial solution



Spatial solution on a platform



Transportable spatial solution