



HAND HACKSAW BLADES

3906 SANDFLEX® BI-METAL BLADES

Tooth line in high-alloyed super high speed steel, this blade is guaranteed to keep its sharpness for a long time. The Sandflex® blade combines extreme cutting performance and wear resistance with a high degree of flexibility and is vastly superior to all-hard high speed blades or conventional, flexible blades.

Packaged as:

- **100:** 10 bundles of 10 blades in black, plastic box with transparent cover
- **10P:** 10 blades in a special package with hanging loop, packs of 10
- **5P:** 5 blades in a special package with hanging loop, packs of 10
- **3P:** 3 blades, 1 each of 18, 24 and 32 TPI, in plastic pouch, packs of 10
- **2P:** 2 carded blades, box of 10 packs



			Length mm	
3906-250-18-100		100	250 x 13 x 0.65	18
3906-250-24-100		100	250 x 13 x 0.65	24
3906-250-32-100		100	250 x 13 x 0.65	32
3906-300-14-100		100	300 x 13 x 0.65	14
3906-300-18-100		100	300 x 13 x 0.65	18
3906-300-24-100		100	300 x 13 x 0.65	24
3906-300-32-100		100	300 x 13 x 0.65	32
3906-300-18-2P		10	300 x 13 x 0.65	18
3906-300-24-2P		10	300 x 13 x 0.65	24
3906-300-32-2P		10	300 x 13 x 0.65	32
3906-300-3P		10	300 x 13 x 0.65	18/24/32
3906-300-24-5P		10	300 x 13 x 0.65	24
3906-300-32-5P		10	300 x 13 x 0.65	32
3906-300-14-10P		10	300 x 13 x 0.65	14
3906-300-18-10P		10	300 x 13 x 0.65	18
3906-300-24-10P		10	300 x 13 x 0.65	24
3906-300-32-10P		10	300 x 13 x 0.65	32



Our new way of painting is more environmentally friendly as we are using thin paint, non solvent borne, giving zero VOC emission. Besides taking care of our environment the new paint is better resistant to moisture. The blades remain orange even if they are used or stocked in damp environments. In addition to the new paint we gave the blades a white backing for anti-counterfeit purposes.

325 HAND HACKSAW FRAME

erao®

A truly unique and professional hacksaw frame. Ergonomically designed with very high blade tension for straight, accurate and exact kerfs. Centred blade for correct balance and spring tensioned blade loading mechanism for quick blade changes. Alternative 55° blade mounting for flush cutting. Supplied with the reliable and shatterproof Sandflex® bi-metal blade 24 TPI with excellent cutting performance.



		Length mm	Weight g
325	5	300	720

319 HAND HACKSAW FRAME

A compact and stable hacksaw for all round use. Alternative 55° blade mounting for flush cutting. Offers a strong steel frame that is covered with a protective dual component plastic. Comfortable, non-slip back handle and front grip ensures a solid, secure grip. Tension mechanism is fully integrated into the handles so there is no obstruction during use. Supplied with the reliable and shatterproof Sandflex® bi-metal blade 24 TPI with excellent cutting performance.



		Length mm	Weight g
319	5	300	510

320 HAND HACKSAW FRAME

Traditional hacksaw frame with comfortable handles and extra depth allowing for cutting materials of big dimensions. Supplied with the reliable and shatterproof Sandflex® bi-metal blade 24 TPI with excellent cutting performance.



		Length mm	Weight g
320	10	300	820

FILES

■ ERGONOMIC HANDLES

Our file handles are ergonomically designed, following the Bahco ERGO™ Process, to reduce muscle tension and the risk of injury. The hard polypropylene core, covered with a thermoplastic elastomer, provides a comfortable non-slip grip, and the handle's smooth contours fit into the hand naturally.

As a safety feature, the handle covers the tang and shoulder completely. This prevents the hand from slipping off the handle onto the file blade. Bahco supplies most popular files complete with a symmetric handle to allow the user to grip it comfortably regardless of which side of the file is used.



THREE DIFFERENT SHAPES & SIZES WITH 12 DIFFERENT INSERTS

■ PATENTED DESIGN IMPROVES SAFETY AND COMFORT



ENGINEERING FILES

Bahco's current file assortment represents the accumulated knowledge of file production since 1850.

Drawing on this knowledge, the company has continuously developed the design of this tool and now applies the most modern, efficient manufacturing methods to its production. Rigorous quality control throughout the manufacturing process, from incoming raw material to the finished product, ensures high quality and performance.

All the Bahco files fulfil the requirements stated in the following standards: ISO 234/1 & 2, DIN File Standards, BS 498:1990, US Fed. spec. GGG-F-325b/GGG-F-331b.

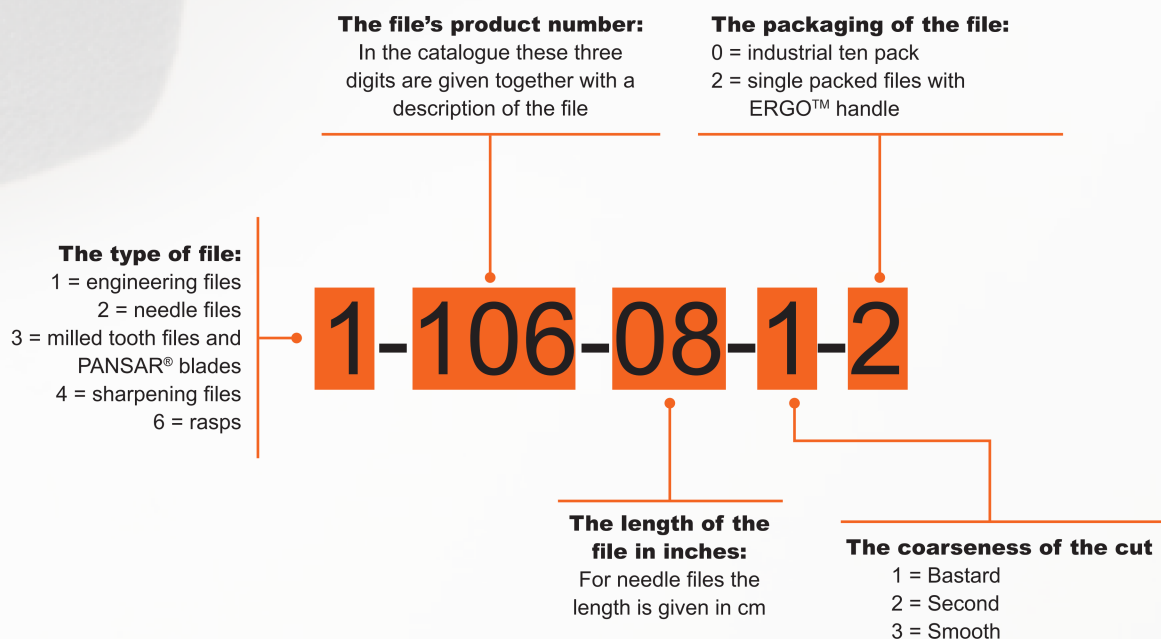
Bahco has established its reputation on the world market by investing substantial resources in research and development over the years. With a dedicated commitment to remain at the forefront of file development in the future, the company is determined to continue meeting professional customer needs.

The files shown on the following pages represent only a part of the Bahco assortment.



ARTICLE CODE STRUCTURE



The product codes of Bahco files have been chosen logically with each digit carrying an identifying piece of information. Most codes follow the code structure explained below.

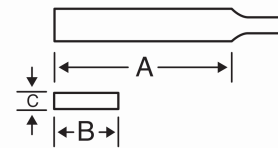


HAND FILE / 1-100...-2

Use: For filing flat surfaces, sharp corners and shoulders as well as for deburring. A double cut file should be used for work in high-alloy tool steels. Also useful for the sharpening of heavy implements. High removal rate.

Shape: Edges and surfaces parallel. Surfaces double cut, one edge uncut, one edge single cut.



	Pack Qty.	A mm	B mm	C mm		Cut Type	Weight g
1-100-04-1-2	5	100	12	3.0	17	1	67
1-100-04-2-2	5	100	12	3.0	22	2	67
1-100-06-1-2	5	150	16	4.0	13	1	110
1-100-06-2-2	5	150	16	4.0	18	2	110
1-100-06-3-2	5	150	16	4.0	18	3	110
1-100-08-1-2	5	200	20	5.0	10	1	200
1-100-08-2-2	5	200	20	5.0	14	2	200
1-100-08-3-2	5	200	20	5.0	18	3	200
1-100-10-1-2	5	250	25	5.5	9	1	310
1-100-10-2-2	5	250	25	5.5	12	2	310
1-100-10-3-2	5	250	25	5.5	16	3	310
1-100-12-1-2	5	300	30	6.0	8	1	431
1-100-12-2-2	5	300	30	6.0	11	2	431
1-100-12-3-2	5	300	30	6.0	14	3	431

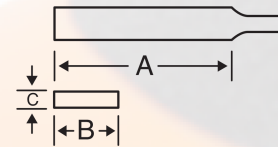


HAND FILE "OBERG CUT" / 1-106...-2

Use: Useful for all flat filing. Oberg cut gives a high removal rate and smooth surface finish on most materials.

Shape: Edges and surfaces parallel. Surfaces single cut, bastard, with chipbreaking teeth. One edge single cut.



	Pack Qty.	A mm	B mm	C mm		Cut Type	Weight g
1-106-08-1-2	5	200	20	5.0	10	1	200
1-106-10-1-2	5	250	25	5.5	9	1	310
1-106-12-1-2	5	300	30	6.0	8	1	431

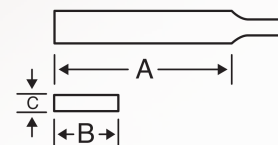
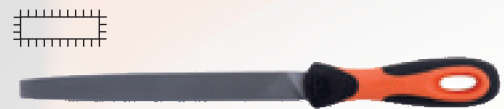


FLAT FILE / 1-110...-2

Use: For the same jobs as the hand file 100, but is sometimes preferred because its tapered shape enables the user to reach into angles and corners more easily.

Shape: Edges tapered towards the point, surfaces parallel. Surfaces double cut, edges single cut. 4" and 6" pointed, 8" and longer semi-pointed.

	Pack Qty.	A mm	B mm	C mm		Cut Type	Weight g
1-110-06-1-2	5	150	16	4.0	13	1	110
1-110-06-2-2	5	150	16	4.0	18	2	110
1-110-06-3-2	5	150	16	4.0	22	3	110
1-110-08-1-2	5	200	20	5.0	10	1	180
1-110-08-2-2	5	200	20	5.0	14	2	180
1-110-08-3-2	5	200	20	5.0	18	3	180
1-110-10-1-2	5	250	25	5.5	9	1	270
1-110-10-2-2	5	250	25	5.5	12	2	270
1-110-10-3-2	5	250	25	5.5	16	3	270
1-110-12-1-2	5	300	30	6.0	8	1	431
1-110-12-2-2	5	300	30	6.0	11	2	431
1-110-12-3-2	5	300	30	6.0	14	3	431





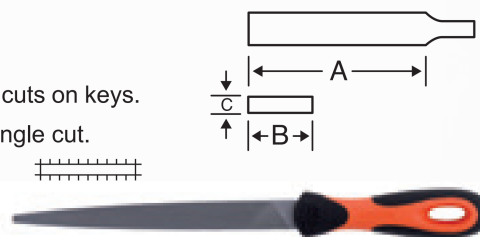
Type of cut: 1 = Bastard, 2 = Second, 3 = Smooth.

WARDING FILE / 1-111...-2

Use: For filing narrow grooves and passages, etc. Particularly well suited for filing cuts on keys.

Shape: Edges tapered to a point, surfaces parallel. Surfaces double cut, edges single cut.

	Pack Qty.	A mm	B mm	C mm		Cut Type	Weight g
1-111-06-2-2	5	150	15	1.9	18	2	65





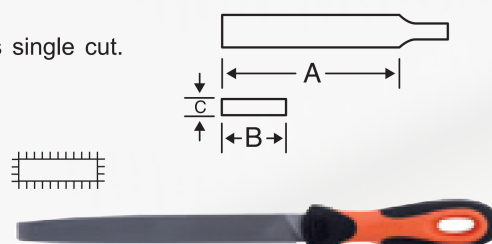
MILL FILE, 2 FLAT EDGES (TYPE USA) / 1-143...-2

Use: This type of file is suitable both as an engineering file and a sharpening file. It is useful for filing where a smooth finish is important. Also good for polishing and deburring work in lathes.

This file is also widely applicable for sharpening tools and implements such as spades, shovels, hoes, scrapers, etc.

Shape: Surfaces parallel. Edges tapered towards the point. Surfaces and edges single cut. Bastard cut commonly referred to as Mill bastard.



	Pack Qty.	A mm	B mm	C mm		Cut Type	Weight g
1-143-06-1-2	5	150	16	2.7	20	1	90
1-143-08-1-2	5	200	20	3.3	18	1	140
1-143-10-1-2	5	250	25	4.0	16	1	222
1-143-12-1-2	5	300	30	5.0	14	1	431

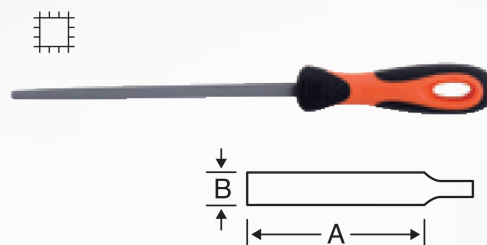


SQUARE FILE / 1-160...-2

Use: For filing grooves, rectangular holes, internal corners and for fine-adjustment of cutting tools.

Shape: Surfaces tapered towards the point. Double cut.

	Pack Qty.	A mm	B mm		Cut Type	Weight g
1-160-04-1-2	5	100	4.5	17	1	42
1-160-04-2-2	5	100	4.5	22	2	42
1-160-06-1-2	5	150	6.0	13	1	79
1-160-06-2-2	5	150	6.0	18	2	79
1-160-06-3-2	5	150	6.0	22	3	79
1-160-08-1-2	5	200	8.0	10	1	132
1-160-08-2-2	5	200	8.0	14	2	132
1-160-08-3-2	5	200	8.0	18	3	132
1-160-10-1-2	5	250	10.0	9	1	212
1-160-10-2-2	5	250	10.0	12	2	212
1-160-10-3-2	5	250	10.0	16	3	212
1-160-12-1-2	5	300	12	8	1	347
1-160-12-2-2	5	300	12	11	2	347





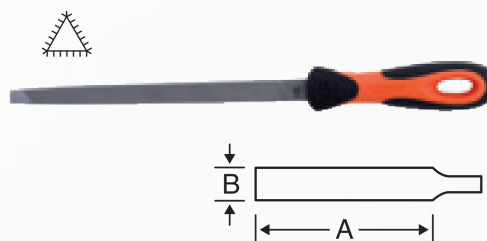
THREE SQUARE FILE / 1-170...-2

Use: For deburring and filing angles and internal corners.

For filing of holes and large fillets as well as concave surfaces. Its tapered surfaces make it well suited for flat filing.

Shape: Equilateral triangle. Tapered towards the point. Double cut surfaces.

	Pack Qty.	A mm	B mm		Cut Type	Weight g
1-170-06-1-2	5	150	11.0	13	1	103
1-170-06-2-2	5	150	11.0	18	2	103
1-170-06-3-2	5	150	11.0	22	3	103
1-170-08-1-2	5	200	15.5	10	1	203
1-170-08-2-2	5	200	15.5	14	2	203
1-170-08-3-2	5	200	15.5	18	3	203
1-170-10-1-2	5	250	17.5	9	1	282
1-170-10-2-2	5	250	17.5	12	2	282
1-170-10-3-2	5	250	17.5	16	3	282
1-170-12-1-2	5	300	19.5	8	1	420
1-170-12-2-2	5	300	19.5	11	2	420





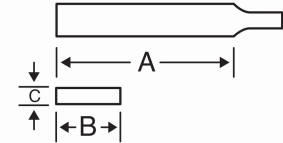
Type of cut: 1 = Bastard, 2 = Second, 3 = Smooth.

HALF-ROUND FILE / 1-210...-2

Use: For filing concave and flat surfaces and large holes. Suitable for deburring work.

Shape: Edges and surfaces tapered towards the point. 4" and 6" fully pointed, 8" and longer semi-pointed. Double cut.

	Pack Qty.	A mm	B mm	C mm		Cut Type	Weight g
1-210-04-2-2	5	100	10.0	3.0	22	2	52
1-210-06-1-2	5	150	16.0	4.7	13	1	100
1-210-06-2-2	5	150	16.0	4.7	18	2	100
1-210-06-3-2	5	150	16.0	4.7	22	3	100
1-210-08-1-2	5	200	20.5	6.0	10	1	170
1-210-08-2-2	5	200	20.5	6.0	14	2	170
1-210-08-3-2	5	200	20.5	6.0	18	3	170
1-210-10-1-2	5	250	26.5	7.5	9	1	344
1-210-10-2-2	5	250	26.5	7.5	12	2	344
1-210-10-3-2	5	250	26.5	7.5	16	3	344
1-210-12-1-2	5	300	31.0	9.0	8	1	480
1-210-12-2-2	5	300	31.0	9.0	11	2	480
1-210-12-3-2	5	300	31.0	9.0	14	3	480

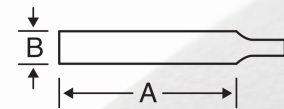


ROUND FILE / 1-230...-2

Use: For filing holes, large fillets and concave surfaces.

Shape: Tapered towards the point. 4" and 6" fully pointed, 8" and longer semi-pointed. Double cut.

	Pack Qty.	A mm	B mm		Cut Type	Weight g
1-230-04-1-2	5	100	3.6	17	1	39
1-230-04-2-2	5	100	3.6	22	2	39
1-230-04-3-2	5	100	3.6	22	3	39
1-230-06-1-2	5	150	6.0	13	1	74
1-230-06-2-2	5	150	6.0	18	2	74
1-230-06-3-2	5	150	6.0	18	3	74
1-230-08-1-2	5	200	8.0	10	1	112
1-230-08-2-2	5	200	8.0	14	2	112
1-230-08-3-2	5	200	8.0	14	3	112
1-230-10-1-2	5	250	10.0	9	1	183
1-230-10-2-2	5	250	10.0	12	2	183
1-230-10-3-2	5	250	10.0	16	3	183
1-230-12-1-2	5	300	12.0	8	1	297
1-230-12-2-2	5	300	12.0	11	2	297



FILE SETS / 1-473

Sets of three handled files. A paper packed set, a plastic roll-up wallet included in the box, for future easy storage. Contains one each of: hand, half round and round engineering files. Available in 2 different lengths: 200 and 250 mm (8 and 10 inch).

	Pack Qty.	mm	Cut Type	Weight g
1-473-08-2-2	5	200	2	635
1-473-10-2-2	5	250	2	925




1-473



1-476

FILE SETS / 1-476

A set of six 4" smooth double cut files, for fine filing and polishing jobs. The set contains one of each handled files: hand, warding, square, three square, half round and round. Supplied in a snap-shut plastic wallet with hanging hole.

	Pack Qty.	mm	Cut Type	Weight g
1-476-04-3-2	1	100	3	200



1-478

FILE SETS / 1-478

Sets of five 5" files with handle. Contains one each of: hand bastard, hand second, square bastard, half round bastard, round bastard.

	Pack Qty.	mm	Cut Type	Weight g
1-478-08-1-2	5	200	1	935
1-478-10-1-2	5	250	1	935

Type of cut: 1 = Bastard, 2 = Second, 3 = Smooth.