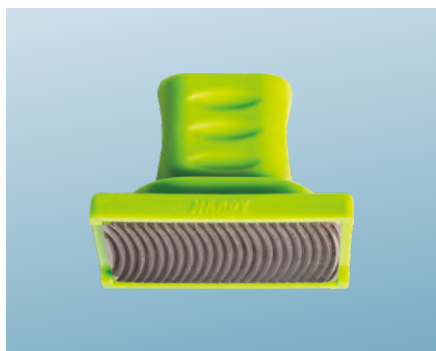




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Paint peeler



The paint peeler is used for fine machining minor laquered surfaces in automotive engineering, body and trailer construction.

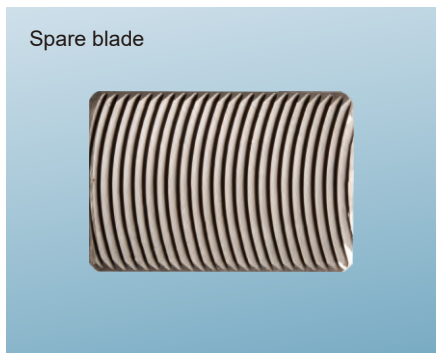
The crowned shape prevents the formation of cratches. The precisely milled, razor-sharp tooth shape provides a high-quality, scratch-free surface finish. Surfaces can be painted or processed immediately.

Application:

- Mending defects (such as impurities, dust particles or air pockets)
- Removing of paper-thin paint coatings

Model	Article No.	Cross section (mm)	 Packaging
HDPU	HD63290002	50 x 35	1

Spare blade

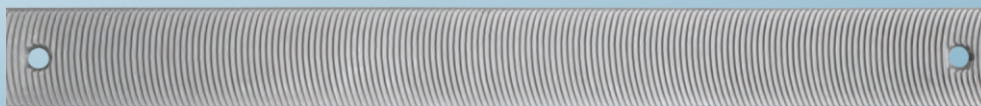


Spare blade for paint peeler

Model	Article No.	Specification LxWxH (mm)	 Packaging
HDPU CUT	HD63290055	50 x 35 x 4.5	5

Car body file blades and holders

Car body file blade



Application: Surface finishing of metal pressing parts, weld seams and non-ferrous castings.

The file is elastic, the bending can be changed by adjusting the holder or can be pressed manually. The convex shape prevents cratches.

Applicable Industries: Metal processing; mould making, automotive engineering (especially car body painting); elevator manufacturing (processing of guide grooves and guide rails)

Ordering example: HD CBF 350mm C1 (HD63290052)

Model	Article No.	Cut	Number of teeth per inch	Length (mm)	Cross section (mm)	 Packaging
HD CBF 350mm C1	HD63290052	1	9	350	35×5	1
HD CBF 350mm C2	HD63290046	2	10	350	35×5	1
HD CBF 350mm C3	HD63290036	3	12	350	35×5	1

Adjustable holders for car body files



Application: For use with car body file

Advantages: Adjustable, portable

Ordering example: HD FH350mm (HD63290037)

Model	Article No.	Length (mm)	 Packaging
HD FH350	HD63290037	350	1

G06

Protective equipment required while operation.



Technical Data

Cut No. 1

Type of file	Length [mm]	Swiss Cut (SC)			
		SC00	SC0	SC1	SC2
		Number of teeth per centimeter			
Titanium coated precision file (FF600-FF614)	100-200	16	20	25	31
	250-300	12	16	20	25
Handy files (FF721-FF726)	215	16	-	25	-
Titanium coated precision file(CF621-CF626)	180	-	25	-	38
Special-shaped files	150	-	25	-	38
	180	-	16	-	25
	300	-	12	-	20

Cut No. 2

Type of file	Length [mm]	German Cut (C)		
		C1 (thick)	C2 (medium)	C3 (thin)
		Number of teeth per centimeter		
Machinist's file	100	16	25	35.5
	125	14	22.4	31.5
	150	12.5	20	28
	200	10	16	22.4
	250	9	14	20
	300	8	12.5	18
	350	7.1	11.2	16

Cut No. 3

Type of file	Length [mm]	German Cut (C)				
		C1	C2	C3	C4	C5
		Number of teeth per centimeter				
Needle file (CF321-CF332)	100	28	40	56	80	96
	140	25	35.5	50	71	85
	160	22.4	31.5	45	63	75
	180	21	30	42	59	71
	200	20	28	40	56	67

G06



Titanium coated precision files

Applicable to process high-strength alloyed steel, stainless steel, titanium, molybdenum, nickel, copper, tungsten alloy and plastics.

Flat



Model	Swiss cut (SC)			Length (mm)	Cross section (mm)	 Packaging
	00	0	2			
	Article No.					
HF FF600 150mm	HD63290091	HD63290094	HD63290097	150	19×4	12
HF FF600 200mm	HD63290092	HD63290095	HD63290098	200	22×5	12
HF FF600 250mm	HD63290093	HD63290096	HD63290099	250	26×6.5	12

Ordering example: HF FF600 150mm SC00 (HD63290091)

Flat



Model	Swiss cut (SC)			Length (mm)	Cross section (mm)	 Packaging
	00	0	2			
	Article No.					
HF FF602 150mm	HD63290100	HD63290102	HD63290104	150	13×4.5	12
HF FF602 200mm	HD63290101	HD63290103	HD63290105	200	15×5	12

Ordering example: HF FF602 150mm SC00 (HD63290100)

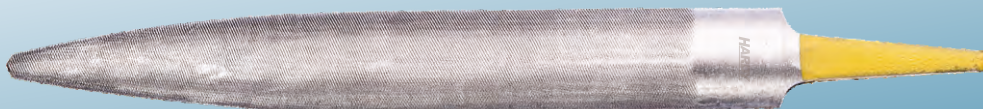
Protective equipment required while operation.



Titanium coated precision files

Applicable to process high-strength alloyed steel, stainless steel, titanium, molybdenum, nickel, copper, tungsten alloy and plastics.

Half-round



Model	Swiss cut (SC)			Length (mm)	Cross section (mm)	 Packaging
	00	0	2			
	Article No.					
HF FF606 150mm	HD63290106	HD63290108	HD63290110	150	15×4.5	12
HF FF606 200mm	HD63290107	HD63290109	HD63290111	200	21×6	12

Ordering example: HF FF606 150mm SC00 (HD63290106)

Three square



Model	Swiss cut (SC)			Length (mm)	Cross section (mm)	 Packaging
	00	0	2			
	Article No.					
HF FF608 150mm	HD63290112	HD63290114	HD63290116	150	10	12
HF FF608 200mm	HD63290113	HD63290115	HD63290117	200	14	12

Ordering example: HF FF608 150mm SC00 (HD63290112)

G06



Titanium coated precision files

Applicable to process high-strength alloyed steel, stainless steel, titanium, molybdenum, nickel, copper, tungsten alloy and plastics.

Square



Model	Swiss cut (SC)			Length (mm)	Cross section (mm)	 Packaging
	00	0	2			
	Article No.					
HF FF611 150mm	HD63290118	HD63290120	HD63290122	150	6	12
HF FF611 200mm	HD63290119	HD63290121	HD63290123	200	8	12

Ordering example: HF FF611 150mm SC00 (HD63290118)

Round



Model	Swiss cut (SC)			Length (mm)	Cross section (mm)	 Packaging
	00	0	2			
	Article No.					
HF FF614 150mm	HD63290124	HD63290126	HD63290128	150	6	12
HF FF614 200mm	HD63290125	HD63290127	HD63290129	200	8	12

Ordering example: HF FF614 150mm SC00 (HD63290124)

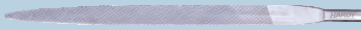
G06

Protective equipment required while operation.



Titanium coated precision files

Applicable to process high-strength alloyed steel, stainless steel, titanium, molybdenum, nickel, copper, tungsten alloy and plastics.

Shape		Model	Swiss cut (SC)		Length (mm)	Shank Diameter (mm)	
			0	2			
			Article No.				
	Hand 	HF CF621 180mm	HD63290130	HD63290131	180	3.5	12
	Flat 	HF CF622 180mm	HD63290132	HD63290133	180	3.5	12
	Half-round 	HF CF623 180mm	HD63290134	HD63290135	180	3.5	12
	Three square 	HF CF624 180mm	HD63290136	HD63290137	180	3.5	12
	Square 	HF CF625 180mm	HD63290138	HD63290139	180	3.5	12
	Round 	HF CF626 180mm	HD63290140	HD63290141	180	3.5	12

Ordering example: HF CF621 180mm SC0 (HD63290130)

Titanium coated precision files - Special shaped

Applicable to process high-strength alloyed steel, stainless steel, titanium, molybdenum, nickel, copper, tungsten alloy and plastics.

Shape		Article No.	Order No.	Swiss Cut (SC)	Length (mm)	Shank Diameter (mm)	Packaging
		HF ETF32711 180mm SC0	HD63290142	0	180	3.5	12
		HF ETF32731 180mm SC0	HD63290143	0	180	3.5	12
		HF ETF32741 180mm SC0	HD63290144	0	180	3.5	12
		HF ETF32750 180mm SC0	HD63290145	0	180	3.5	12
		HF ETF32763 180mm SC0	HD63290146	0	180	3.5	12
		HF ETF32781 180mm SC0	HD63290147	0	180	3.5	12

Ordering example: HF ETF32711 180mm SC0 (HD63290142)



Precision files

Applicable for fine machining.

Hand



Model	German cut (C)					Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4	5			
	Article No.							
HF FF300 100mm	HD63290148	HD63290154	HD63290160	HD63290166	–	100	13×3	12
HF FF300 125mm	HD63290149	HD63290155	HD63290161	HD63290167	–	125	16×3.5	12
HF FF300 150mm	HD63290150	HD63290156	HD63290162	HD63290168	HD63290172	150	19×4	12
HF FF300 200mm	HD63290151	HD63290157	HD63290163	HD63290169	–	200	22×5	12
HF FF300 250mm	HD63290152	HD63290158	HD63290164	HD63290170	–	250	26×6.5	12
HF FF300 300mm	HD63290153	HD63290159	HD63290165	HD63290171	–	300	29.3×7.8	12

Ordering example: HF FF300 100mm C1 (HD63290148)

Hand



Model	German cut (C)					Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4	5			
	Article No.							
HF FF302 100mm	HD63290173	HD63290178	HD63290183	HD63290188	–	100	10×3	12
HF FF302 125mm	HD63290174	HD63290179	HD63290184	HD63290189	–	125	11×4	12
HF FF302 150mm	HD63290175	HD63290180	HD63290185	HD63290190	HD63290193	150	13×4.5	12
HF FF302 200mm	HD63290176	HD63290181	HD63290186	HD63290191	–	200	15×5	12
HF FF302 250mm	HD63290177	HD63290182	HD63290187	HD63290192	–	250	18×6	12

Ordering example: HF FF302 100mm C1 (HD63290173)

Protective equipment required while operation.



G06

Precision files

Applicable for fine machining.

Hand



Model	German Cut (C)				Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4			
	Article No.						
HF FF303 100mm	HD63290194	HD63290198	HD63290203	HD63290208	100	5×2.5	12
HF FF303 125mm	–	HD63290199	HD63290204	–	125	6×3	12
HF FF303 150mm	HD63290195	HD63290200	HD63290205	HD63290209	150	7×3.5	12
HF FF303 200mm	HD63290196	HD63290201	HD63290206	HD63290210	200	9×4.5	12
HF FF303 250mm	HD63290197	HD63290202	HD63290207	–	250	10×5	12

Ordering example: HF FF303 100mm C1 (HD63290194)

Flat



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					
HF FF304 100mm	HD63290211	–	HD63290216	100	13×2.5	12
HF FF304 150mm	HD63290212	HD63290214	–	150	16×3.5	12
HF FF304 200mm	HD63290213	HD63290215	–	200	22×4.5	12

Ordering example: HF FF304 100mm C1 (HD63290211)

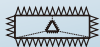
Protective equipment required while operation.



Precision files

Applicable for fine machining.

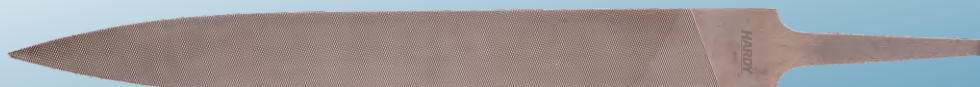
Flat



Model	German cut (C)		Length (mm)	Cross section (mm)	 Packaging
	1	3			
	Article No.				
HF FF330 100mm	HD63290217	HD63290220	100	10×2.9	12
HF FF330 150mm	HD63290218	HD63290221	150	12.3×3.2	12
HF FF330 200mm	HD63290219	HD63290222	200	19.8×5.15	12

Ordering example: HF FF330 100mm C1 (HD)

Flat



Model	German cut (C)		Length (mm)	Cross section (mm)	 Packaging
	1	3			
	Article No.				
HF FF340 150mm	HD63290223	HD63290225	100	15.4×1.7	12
HF FF340 200mm	HD63290224	HD63290226	150	21.4×2.6	12

Ordering example: HF FF340 150mm C1 (HD63290223)

Protective equipment required while operation.



Precision files

Applicable for fine machining.

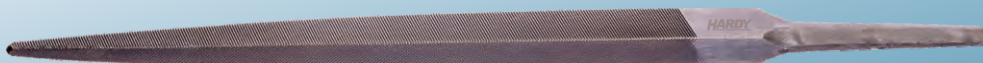
Half-round



Model	German cut (C)				Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4			
	Article No.						
HF FF306 100mm	HD63290227	HD63290233	HD63290239	HD63290244	100	12×3.5	12
HF FF306 125mm	HD63290228	HD63290234	HD63290240	HD63290245	125	13×4	12
HF FF306 150mm	HD63290229	HD63290235	HD63290241	HD63290246	150	15×4.5	12
HF FF306 200mm	HD63290230	HD63290236	HD63290242	HD63290247	200	21×6	12
HF FF306 250mm	HD63290231	HD63290237	HD63290243	HD63290248	250	25×7.5	12
HF FF306 300mm	HD63290232	HD63290238	–	–	300	27.4×8.5	12

Ordering example: HF FF306 100mm C1 (HD63290227)

Three square



Model	German cut (C)				Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4			
	Article No.						
HF FF308 100mm	HD63290249	HD63290255	HD63290261	HD63290266	100	7	12
HF FF308 125mm	HD63290250	HD63290256	HD63290262	HD63290267	125	8	12
HF FF308 150mm	HD63290251	HD63290257	HD63290263	HD63290268	150	10	12
HF FF308 200mm	HD63290252	HD63290258	HD63290264	HD63290269	200	14	12
HF FF308 250mm	HD63290253	HD63290259	HD63290265	HD63290270	250	17	12
HF FF308 300mm	HD63290254	HD63290260	–	–	300	20.2	12

Ordering example: HF FF308 100mm C1 (HD63290249)

Protective equipment required while operation.



Precision files

Applicable for fine machining.

Square



Model	German cut (C)				Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4			
	Article No.						
HF FF311 100mm	HD63290271	HD63290277	HD63290283	HD63290288	100	4	12
HF FF311 125mm	HD63290272	HD63290278	HD63290284	HD63290289	125	5	12
HF FF311 150mm	HD63290273	HD63290279	HD63290285	HD63290290	150	6	12
HF FF311 200mm	HD63290274	HD63290280	HD63290286	HD63290291	200	8	12
HF FF311 250mm	HD63290275	HD63290281	HD63290287	HD63290292	250	10	12
HF FF311 300mm	HD63290276	HD63290282	–	–	300	11.4	12

Ordering example: HF FF311 100mm C1 (HD63290271)

Round



Model	German cut (C)					Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4	5			
	Article No.							
HF FF314 100mm	HD63290293	HD63290297	HD63290303	HD63290308	–	100	4	12
HF FF314 125mm	HD63290294	HD63290298	HD63290304	HD63290309	–	125	5	12
HF FF314 150mm	HD63290295	HD63290299	HD63290305	HD63290310	HD63290313	150	6	12
HF FF314 200mm	–	HD63290300	HD63290306	HD63290311	–	200	8	12
HF FF314 250mm	–	HD63290301	HD63290307	HD63290312	–	250	10	12
HF FF314 300mm	HD63290296	HD63290302	–	–	–	300	12	12

Ordering example: HF FF314 100mm C1 (HD63290293)

Protective equipment required while operation.



Precision files

Applicable for fine machining.

Knife



Model	German cut (C)				Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4			
	Article No.						
HF FF317 100mm	–	HD63290316	HD63290320	HD63290323	100	12×3	12
HF FF317 125mm	–	HD63290317	–	–	125	15×3.5	12
HF FF317 150mm	HD63290314	HD63290318	HD63290321	HD63290324	150	18×4	12
HF FF317 200mm	HD63290315	HD63290319	HD63290322	HD63290325	200	22×5	12

Ordering example: HF FF317 100mm C2 (HD63290316)

Crossing



Model	German cut (C)					Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4	5			
	Article No.							
HF FF318 100mm	–	HD63290329	HD63290332	HD63290336	–	100	12×3.5	12
HF FF318 125mm	–	–	HD63290333	–	–	125	13×4	12
HF FF318 150mm	HD63290326	HD63290330	HD63290334	HD63290337	HD63290338	150	15×4.5	12
HF FF318 200mm	HD63290327	HD63290331	HD63290335	–	–	200	21×6	12
HF FF318 250mm	HD63290328	–	–	–	–	250	26×8	12

Ordering example: HF FF318 100mm C2 (HD63290329)

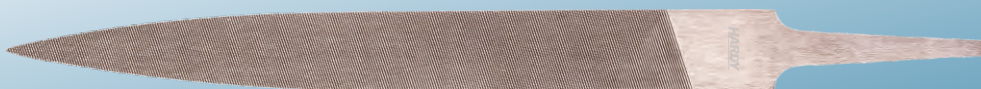
Protective equipment required while operation.



Precision files

Applicable for fine machining.

Barrette



	1	2	3			
HF FF319 100mm	HD63290339	HD63290343	HD63290347	100	12×3	12
HF FF319 125mm	HD63290340	HD63290344	HD63290348	125	14×3.5	12
HF FF319 150mm	HD63290341	HD63290345	HD63290349	150	16×4	12
HF FF319 200mm	HD63290342	HD63290346	—	200	21×5	12

Ordering example: HF FF319 125mm C2 (HD63290344)

Precision files

Shape		Model	Swiss cut (SC)		Length (mm)	 Packaging
			00	1		
			Article No.			
	Hand 	HF FF721 215mm	HD63290350	HD63290351	215	12
	Half-round 	HF FF723 215mm	HD63290352	HD63290353	215	12
	Three square 	HF FF724 215mm	HD63290354	HD63290355	215	12
	Square 	HF FF725 215mm	HD63290356	HD63290357	215	12
	Round 	HF FF726 215mm	HD63290358	HD63290359	215	12

Ordering example: HF FF721 215mm SC00 (HD63290350)

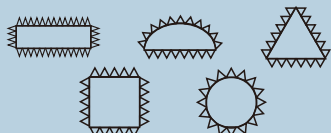
Protective equipment required while operation.



Precision files

Applicable for fine machining.

Precision files - set with 5 files

Model	Article No.	Length (mm)	Swiss cut (SC)	Shapes	 Packaging
HF FF349-5P SET 215mm SC00	HD63290007	215	00		1
HF FF349-5P SET 215mm SC1	HD63290064	215	1		1

Ordering example: HF FF349-5P SET 215mm SC00 (HD63290007)



Machinist's files

according to DIN 7283

Hand



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					

Without file handle

HF AF3100 100mm	HD63290360	HD63290367	HD63290374	100	10.4×2.5	10
HF AF3100 125mm	HD63290361	HD63290368	HD63290375	125	12.5×3.2	10
HF AF3100 150mm	HD63290362	HD63290369	HD63290376	150	16×4	10
HF AF3100 200mm	HD63290363	HD63290370	HD63290377	200	20×5	10
HF AF3100 250mm	HD63290364	HD63290371	HD63290378	250	25×6.3	10
HF AF3100 300mm	HD63290365	HD63290372	HD63290379	300	30×6.7	5
HF AF3100 350mm	HD63290366	HD63290373	HD63290380	350	34.5×7.6	5

With file handle (SB)

SB HF AF3100 150mm	HD63290381	HD63290384	HD63290387	150	16×4	10
SB HF AF3100 200mm	HD63290382	HD63290385	HD63290388	200	20×5	10
SB HF AF3100 250mm	HD63290383	HD63290386	HD63290389	250	25×6.3	10

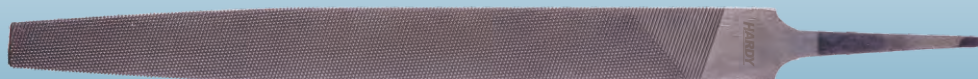
Ordering example: HF AF3100 100mm C1 (HD63290360)



Machinist's files

according to DIN 7283

Flat



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					

Without file handle

HF AF3101 100mm	HD63290390	HD63290396	HD63290402	100	10.4×2.5	10
HF AF3101 150mm	HD63290391	HD63290397	HD63290403	150	16×4	10
HF AF3101 200mm	HD63290392	HD63290398	HD63290404	200	20×5	10
HF AF3101 250mm	HD63290393	HD63290399	HD63290405	250	25×6.3	10
HF AF3101 300mm	HD63290394	HD63290400	HD63290406	300	30×6.7	5
HF AF3101 350mm	HD63290395	HD63290401	HD63290407	350	34.5×7.6	5

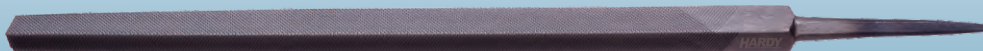
Ordering example: HF AF3101 100mm C1 (HD63290390)



Machinist's files

according to DIN 7283

Three square



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					

Without file handle

HF AF3401 100mm	HD63290408	HD63290415	HD63290422	100	6.4	10
HF AF3401 125mm	HD63290409	HD63290416	HD63290423	125	8.4	10
HF AF3401 150mm	HD63290410	HD63290417	HD63290424	150	10	10
HF AF3401 200mm	HD63290411	HD63290418	HD63290425	200	14	10
HF AF3401 250mm	HD63290412	HD63290419	HD63290426	250	17	10
HF AF3401 300mm	HD63290413	HD63290420	HD63290427	300	20	5
HF AF3401 350mm	HD63290414	HD63290421	HD63290428	350	22.4	5

With file handle (SB)

SB HF AF3401 150mm	HD63290429	HD63290005	HD63290433	150	10	10
SB HF AF3401 200mm	HD63290430	HD63290432	HD63290434	200	14	10
SB HF AF3401 250mm	HD63290431	HD63290033	HD63290435	250	17	10

Ordering example: HF AF3401 100mm C1 (HD63290408)



Machinist's files

according to DIN 7283

Square



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					
Without file handle						
HF AF3501 100mm	HD63290436	HD63290443	HD63290450	100	4	10
HF AF3501 125mm	HD63290437	HD63290444	HD63290451	125	5	10
HF AF3501 150mm	HD63290438	HD63290445	HD63290452	150	6.3	10
HF AF3501 200mm	HD63290439	HD63290446	HD63290453	200	8	10
HF AF3501 250mm	HD63290440	HD63290447	HD63290454	250	10	10
HF AF3501 300mm	HD63290441	HD63290448	HD63290455	300	12.5	5
HF AF3501 350mm	HD63290442	HD63290449	HD63290456	350	14	5
With file handle (SB)						
SB HF AF3501 150mm	HD63290457	HD63290459	HD63290462	150	6.3	10
SB HF AF3501 200mm	HD63290458	HD63290460	HD63290463	200	8	10
SB HF AF3501 250mm	HD63290035	HD63290461	HD63290464	250	10	10

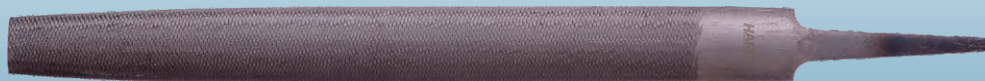
Ordering example: HF AF3501 100mm C1 (HD63290436)



Machinist's files

according to DIN 7283

Half-round



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					

Without file handle

HF AF3201 100mm	HD63290465	HD63290472	HD63290479	100	10×3.3	10
HF AF3201 125mm	HD63290466	HD63290473	HD63290480	125	12.5×4.2	10
HF AF3201 150mm	HD63290467	HD63290474	HD63290481	150	15.8×4.5	10
HF AF3201 200mm	HD63290468	HD63290475	HD63290482	200	20.7×5.9	10
HF AF3201 250mm	HD63290469	HD63290476	HD63290483	250	25.5×7.3	10
HF AF3201 300mm	HD63290470	HD63290477	HD63290484	300	30.4×8.7	5
HF AF3201 350mm	HD63290471	HD63290478	HD63290485	350	35.3×10.1	5

With file handle (SB)

SB HF AF3201 150mm	HD63290486	HD63290489	HD63290491	150	15.8×4.5	10
SB HF AF3201 200mm	HD63290487	HD63290490	HD63290492	200	20.7×5.9	10
SB HF AF3201 250mm	HD63290488	HD63290022	HD63290493	250	25.5×7.3	10

Ordering example: HF AF3201 100mm C1 (HD63290465)

Machinist's files

according to DIN 7283

Round



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					

Without file handle

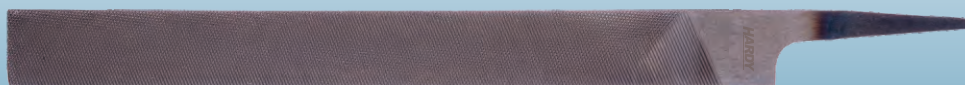
HF AF3301 100mm	HD63290494	HD63290501	HD63290508	100	4	10
HF AF3301 125mm	HD63290495	HD63290502	HD63290509	125	5.5	10
HF AF3301 150mm	HD63290496	HD63290503	HD63290510	150	6.3	10
HF AF3301 200mm	HD63290497	HD63290504	HD63290511	200	8	10
HF AF3301 250mm	HD63290498	HD63290505	HD63290512	250	10	10
HF AF3301 300mm	HD63290499	HD63290506	HD63290513	300	12.5	5
HF AF3301 350mm	HD63290500	HD63290507	HD63290514	350	14	5

With file handle (SB)

SB HF AF3301 150mm	HD63290515	HD63290006	HD63290519	150	6.3	10
SB HF AF3301 200mm	HD63290516	HD63290518	HD63290520	200	8	10
SB HF AF3301 250mm	HD63290517	HD63290034	HD63290521	250	10	10

Ordering example: HF AF3301 100mm C1 (HD63290494)

Knife



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					

Without file handle

HF AF3600 150mm	HD63290522	HD63290526	HD63290528	150	16×5.2	10
HF AF3600 200mm	HD63290523	HD63290024	HD63290529	200	20×6.4	10
HF AF3600 250mm	HD63290524	HD63290021	HD63290530	250	25×7.9	10
HF AF3600 300mm	HD63290525	HD63290527	-	300	29×7.5	5

Order instruction: HF AF3600 150mm C1 (HD63290522)

Protective equipment required while operation.



Machinist's files

according to DIN 7283



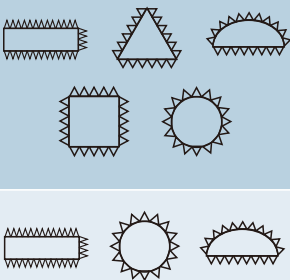
SB HF AF61800-5P SET 200mm C2



SB HF AF61810-5P SET 150mm C2



SB HF AF61840-3P SET 150mm C2

Model	Article No.	German cut (C)	Length (mm)	Shapes	 Packaging
SB HF AF61800-5P SET 200mm C2	HD63290028	2	200		1
SB HF AF61810-5P SET 150mm C2	HD63290066	2	150		1
SB HF AF61840-3P SET 150mm C2	HD63290067	2	150		1

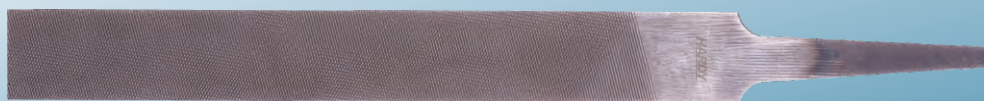
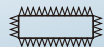
Order instruction: SB HF AF61800-5P SET 200mm C2 (HD63290065)

G06

Key files

according to DIN 7283

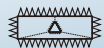
Hand



Model	Article No.	Length (mm)	German cut (C)	Cross section (mm)	Packaging
HF AF3107 100mm C2	HD63290531	100	2	10×1.4	10
HF AF3107 125mm C2	HD63290532	125	2	12.5×1.6	10

Order instruction: HF AF3107 100mm C2 (HD63290531)

Flat



Model	Article No.	Length (mm)	German cut (C)	Cross section (mm)	Packaging
HF AF3108 100mm C2	HD63290533	100	2	10×1.4	10
HF AF3108 125mm C2	HD63290534	125	2	12.5×1.6	10

Ordering example: HF AF3108 100mm C2 (HD63290533)



Key files

according to DIN 7283

Three square



Model	Article No.	Length (mm)	German cut (C)	Cross section (mm)	Packaging
HF AF3402 100mm C2	HD63290535	100	2	5	10
HF AF3402 125mm C2	HD63290536	125	2	6.3	10

Ordering example: HF AF3402 100mm C2 (HD63290535)

Square



Model	Article No.	Length (mm)	German cut (C)	Cross section (mm)	Packaging
HF AF3502 100mm C2	HD63290537	100	2	3	10
HF AF3502 125mm C2	HD63290538	125	2	4	10

Ordering example: HF AF3502 100mm C2 (HD63290537)

G06

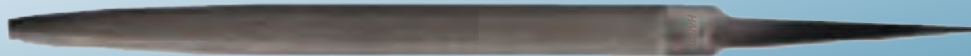
Protective equipment required while operation.



Key files

according to DIN 7283

Half-round



Model	Article No.	Length (mm)	German cut (C)	Cross section (mm)	Packaging
HF AF3206 100mm C2	HD63290539	100	2	9×3	10
HF AF3206 125mm C2	HD63290540	125	2	12.5×2.0	10

Ordering example: HF AF3206 100mm C2 (HD63290539)

Round



Model	Article No.	Length (mm)	German cut (C)	Cross section (mm)	Packaging
HF AF3302 100mm C2	HD63290541	100	2	3	10
HF AF3302 125mm C2	HD63290542	125	2	4	10

Ordering example: HF AF3302 100mm C2 (HD63290541)

G06

Protective equipment required while operation.



Key files

according to DIN 7283

Key files - Set with 6 files



Model	Article No.	Length (mm)	German cut (C)	 Packaging
SB HF AF61001-6P SET 100mm C2	HD63290004	100	2	1

Ordering example: SB HF AF61001-6P SET 100mm C2 (HD63290004)

G06

Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle thanks to the forged tang.

Hand



Model	German cut (C)					Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4	5				
	Article No.								
HF CF321 100mm	HD63290543	–	HD63290552	HD63290557	–	100	3.5×0.9	2	12
HF CF321 140mm	HD63290544	HD63290548	HD63290553	HD63290558	HD63290562	140	4.8×1.1	3	12
HF CF321 160mm	HD63290545	HD63290549	HD63290554	HD63290559	HD63290563	160	5.4×1.2	3	12
HF CF321 180mm	HD63290546	HD63290550	HD63290555	HD63290560	–	180	6×1.3	3.5	12
HF CF321 200mm	HD63290547	HD63290551	HD63290556	HD63290561	–	200	6.5×1.3	3.5	12

Ordering example: HF CF321 100mm C1 (HD63290543)

Flat



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4				
	Article No.							
HF CF322 100mm	HD63290564	–	HD63290573	–	100	3.4×0.9	2	12
HF CF322 140mm	HD63290565	HD63290569	HD63290574	–	140	4.8×1.1	3	12
HF CF322 160mm	HD63290566	HD63290570	HD63290575	HD63290578	160	5.4×1.2	3	12
HF CF322 180mm	HD63290567	HD63290571	HD63290576	–	180	6×1.2	3.5	12
HF CF322 200mm	HD63290568	HD63290572	HD63290577	HD63290579	200	6.5×1.4	3.5	12

Ordering example: HF CF322 100mm C1 (HD63290564)



Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle thanks to the forged tang.

Half-round



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4				
	Article No.							
HF CF323 100mm	HD63290580	HD63290585	–	–	100	3.8×1.1	2	12
HF CF323 140mm	HD63290581	HD63290586	HD63290590	HD63290594	140	5.1×1.5	3	12
HF CF323 160mm	HD63290582	HD63290587	HD63290591	HD63290595	160	5.6×1.7	3	12
HF CF323 180mm	HD63290583	HD63290588	HD63290592	HD63290596	180	5.9×2	3.5	12
HF CF323 200mm	HD63290584	HD63290589	HD63290593	HD63290597	200	6.3×2	3.5	12

Ordering example: HF CF321 100mm C1 (HD63290580)

Three square



Model	German cut (C)					Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4	5				
	Article No.								
HF CF324 100mm	HD63290598	HD63290603	HD63290608	HD63290613	–	100	2.8	2	12
HF CF324 140mm	HD63290599	HD63290604	HD63290609	HD63290614	–	140	3.5	3	12
HF CF324 160mm	HD63290600	HD63290605	HD63290610	HD63290615	HD63290618	160	3.8	3	12
HF CF324 180mm	HD63290601	HD63290606	HD63290611	HD63290616	–	180	4.2	3.5	12
HF CF324 200mm	HD63290602	HD63290607	HD63290612	HD63290617	–	200	4.4	3.5	12

Ordering example: HF CF324 100mm C1 (HD63290598)

Protective equipment required while operation.



Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle thanks to the forged tang.

Square



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	
	1	2	3	4				
	Article No.							
HF CF325 100mm	HD63290619	HD63290624	HD63290629	–	100	1.7	2	12
HF CF325 140mm	HD63290620	HD63290625	HD63290630	HD63290634	140	2.2	3	12
HF CF325 160mm	HD63290621	HD63290626	HD63290631	HD63290635	160	2.4	3	12
HF CF325 180mm	HD63290622	HD63290627	HD63290632	HD63290636	180	2.6	3.5	12
HF CF325 200mm	HD63290623	HD63290628	HD63290633	HD63290637	200	2.8	3.5	12

Ordering example: HF CF325 100mm C1 (HD63290619)

Round



Model	German cut (C)					Length (mm)	Cross section (mm)	Shank Diameter (mm)	
	0	1	2	3	4				
	Article No.								
HF CF326 100mm	HD63290638	HD63290639	HD63290644	HD63290649	HD63290654	100	2.1	2	12
HF CF326 140mm	–	HD63290640	HD63290645	HD63290650	HD63290655	140	2.8	3	12
HF CF326 160mm	–	HD63290641	HD63290646	HD63290651	HD63290656	160	2.9	3	12
HF CF326 180mm	–	HD63290642	HD63290647	HD63290652	HD63290657	180	3.2	3.5	12
HF CF326 200mm	–	HD63290643	HD63290648	HD63290653	HD63290658	200	3.5	3.5	12

Ordering example: HF CF326 100mm C1 (HD63290638)



Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle due to the forged tang.

Knife



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4				
	Article No.							
HF CF327 100mm	HD63290659	HD63290664	HD63290669	–	100	4×1.1	2	12
HF CF327 140mm	HD63290660	HD63290665	HD63290670	–	140	5×1.4	3	12
HF CF327 160mm	HD63290661	HD63290666	HD63290671	HD63290674	160	5.4×1.5	3	12
HF CF327 180mm	HD63290662	HD63290667	HD63290672	–	180	6×1.7	3.5	12
HF CF327 200mm	HD63290663	HD63290668	HD63290673	–	200	6.4×1.8	3.5	12

Ordering example: HF CF327 100mm C1 (HD63290659)

Crossing



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4				
	Article No.							
HF CF328 100mm	HD63290675	HD63290680	HD63290685	–	100	3.5×1.4	2	12
HF CF328 140mm	HD63290676	HD63290681	HD63290686	–	140	4.4×1.8	3	12
HF CF328 160mm	HD63290677	HD63290682	HD63290687	HD63290690	160	5.1×2	3	12
HF CF328 180mm	HD63290678	HD63290683	HD63290688	–	180	5.8×2.2	3.5	12
HF CF328 200mm	HD63290679	HD63290684	HD63290689	–	200	6×2.4	3.5	12

Ordering example: HF CF328 100mm C1 (HD63290675)

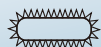
Protective equipment required while operation.



Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle thanks to the forged tang.

Hand with rounded edges



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	
	1	2	3	4				
	Article No.							
HF CF329 100mm	HD63290691	–	HD63290699	–	100	3.8×1	2	12
HF CF329 140mm	HD63290692	HD63290695	HD63290700	–	140	4.8×1.2	3	12
HF CF329 160mm	HD63290693	HD63290696	HD63290701	HD63290703	160	5.4×1.3	3	12
HF CF329 180mm	–	HD63290697	HD63290702	HD63290704	180	6×1.4	3.5	12
HF CF329 200mm	HD63290694	HD63290698	–	–	200	6.5×1.5	3.5	12

Ordering example: HF CF329 100mm C1 (HD63290691)

Crossing



Model	German cut (C)			Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3				
	Article No.						
HF CF330 100mm	–	HD63290706	–	100	2.5×2.2	2	12
HF CF330 140mm	–	HD63290707	–	140	3.4×2.4	3	12
HF CF330 160mm	–	HD63290708	HD63290711	160	3.8×2.5	3	12
HF CF330 180mm	–	HD63290709	–	180	4×2.9	3.5	12
HF CF330 200mm	HD63290705	HD63290710	–	200	5×3.3	3.5	12

Ordering example: HF CF330 100mm C1 (HD63290706)

Protective equipment required while operation.



Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle thanks to the forged tang.

Crochet



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4				
	Article No.							
HF CF331 100mm	HD63290712	HD63290715	–	–	100	3.7×1	2	12
HF CF331 140mm	HD63290713	HD63290716	–	HD63290722	140	4.8×1.2	3	12
HF CF331 160mm	HD63290714	HD63290717	HD63290720	–	160	5.4×1.3	3	12
HF CF331 180mm	–	HD63290718	–	–	180	5.9×1.4	3.5	12
HF CF331 200mm	–	HD63290719	HD63290721	–	200	6.5×1.5	3.5	12

Ordering example: HF CF331 100mm C1 (HD63290712)

Barrette



Model	German cut (C)				Length (mm)	Cross section (mm)	Shank Diameter (mm)	 Packaging
	1	2	3	4				
	Article No.							
HF CF332 100mm	HD63290723	–	HD63290732	–	100	3.7×1.4	2	12
HF CF332 140mm	HD63290724	HD63290728	HD63290733	–	140	4.7×1.7	3	12
HF CF332 160mm	HD63290725	HD63290729	HD63290734	HD63290737	160	5.1×1.8	3	12
HF CF332 180mm	HD63290726	HD63290730	HD63290735	HD63290738	180	5.4×2	3.5	12
HF CF332 200mm	HD63290727	HD63290731	HD63290736	HD63290739	200	5.8×2.2	3.5	12

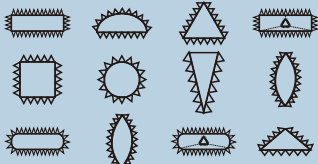
Order instruction: HF CF332 100mm C1 (HD63290723)

Needle files

For processing of smallest areas, breakthroughs, geometries, profiles and radii. Can be used with or without a needle file handle thanks to the forged tang.

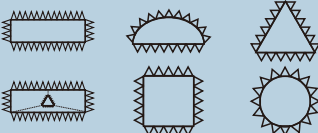
Set of needle files - 12 files



Model	Article No.	Length (mm)	German cut (C)	Shapes	Packaging
HF CF348-12P SET 140mm C2	HD63290032	140	2		1
HF CF348-12P SET 160mm C2	HD63290026	160	2		1
HF CF348-12P SET 160mm C1	HD63290072	160	1		1
HF CF348-12P SET 180mm C1	HD63290003	180	1		1
HF CF348-12P SET 200mm C1	HD63290073	200	1		1

Ordering example: HF CF348-12P SET 140mm C2 (HD63290032)

Set of needle files - 6 files

Model	Article No.	Length (mm)	German cut (C)	Shapes	Packaging
HF CF349-6P SET 140mm C2	HD63290068	140	2		1
HF CF349-6P SET 160mm C2	HD63290069	160	2		1
HF CF349-6P SET 180mm C1	HD63290070	180	1		1
HF CF349-6P SET 200mm C1	HD63290071	200	1		1

Ordering example: HF CF349-6P SET 140mm C2 (HD63290068)



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32900 150mm	HD63290780	HD63290781	150	12
HF EF32700 180mm	HD63290872	HD63290873	180	12

Ordering example: HF EF32900 150mm SC0 (HD63290780)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32901 150mm	HD63290782	HD63290783	150	12
HF EF32701 180mm	HD63290874	HD63290875	180	12

Ordering example: HF EF32901 150mm SC0 (HD63290782)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32902 150mm	HD63290784	HD63290785	150	12

Ordering example: HF EF32902 150mm SC0 (HD63290784)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32910 150mm	HD63290786	HD63290787	150	12
HF EF32710 180mm	HD63290876	HD63290877	180	12
HF EF32410 300mm	HD63290914	HD63290915	300	12

Ordering example: HF EF32910 150mm SC0 (HD63290786)

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32911 150mm	HD63290788	HD63290789	150	12
HF EF32711 180mm	HD63290878	HD63290879	180	12
HF EF32411 300mm	HD63290916	HD63290917	300	12

Ordering example: HF EF32911 150mm SC0 (HD63290788)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32912 150mm	HD63290790	HD63290791	150	12
HF EF32712 180mm	HD63290880	HD63290881	180	12
HF EF32412 300mm	HD63290918	HD63290919	300	12

Ordering example: HF EF32912 150mm SC0 (HD63290790)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32913 150mm	HD63290792	HD63290793	150	12
HF EF32713 180mm	HD63290882	HD63290883	180	12
HF EF32413 300mm	HD63290920	HD63290921	300	12

Ordering example: HF EF32913 150mm SC0 (HD63290792)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32914 150mm	HD63290794	HD63290795	150	12
HF EF32414 300mm	HD63290922	–	300	12

Ordering example: HF EF32914 150mm SC0 (HD63290794)

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32915 150mm	HD63290796	HD63290797	150	12
HF EF32415 300mm	HD63290923	HD63290924	300	12

Ordering example: HF EF32915 150mm SC0 (HD63290796)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32916 150mm	HD63290798	HD63290799	150	12

Ordering example: HF EF32916 150mm SC0 (HD63290798)

G06

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32917 150mm	HD63290800	HD63290801	150	12

Ordering example: HF EF32917 150mm SC0 (HD63290800)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32918 150mm	HD63290802	HD63290803	150	12

Ordering example: HF EF32918 150mm SC0 (HD63290803)

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths.
Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32919 150mm	HD63290804	HD63290805	150	12

Ordering example: HF EF32919 150mm SC0 (HD63290805)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32930 150mm	HD63290806	HD63290807	150	12
HF EF32730 180mm	HD63290884	HD63290885	180	12
HF EF32430 300mm	HD63290925	HD63290926	300	12

Ordering example: HF EF32930 150mm SC0 (HD63290806)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32931 150mm	HD63290808	HD63290809	150	12
HF EF32731 180mm	HD63290886	HD63290887	180	12

Ordering example: HF EF32931 150mm SC0 (HD63290808)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32940 150mm	HD63290810	HD63290811	150	12
HF EF32740 180mm	HD63290888	HD63290889	180	12
HF EF32440 300mm	HD63290927	HD63290928	300	12

Ordering example: HF EF32940 150mm SC0 (HD63290810)

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32941 150mm	HD63290813	HD63290814	150	12
HF EF32741 180mm	HD63290890	HD63290891	180	12

Ordering example: HF EF32941 150mm SC0 (HD63290813)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32943 150mm	HD63290814	HD63290815	150	12

Ordering example: HF EF32943 150mm SC0 (HD63290815)

G06

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32950 150mm	HD63290816	HD63290817	150	12
HF EF32750 180mm	HD63290892	HD63290893	180	12
HF EF32450 300mm	HD63290929	HD63290930	300	12

Ordering example: HF EF32950 150mm SC0 (HD63290817)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32951 150mm	HD63290818	HD63290819	150	12

Ordering example: HF EF32951 150mm SC0 (HD63290818)

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths.
Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32952 150mm	HD63290820	HD63290821	150	12

Ordering example: HF EF32952 150mm SC0 (HD63290820)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32954 150mm	HD63290822	HD63290823	150	12

Ordering example: HF EF32954 150mm SC0 (HD63290822)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32955 150mm	HD63290824	HD63290825	150	12

Ordering example: HF EF32955 150mm SC0 (HD63290824)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32960 150mm	HD63290826	HD63290827	150	12
HF EF32760 180mm	HD63290894	HD63290895	180	12
HF EF32460 300mm	HD63290931	HD63290932	300	12

Ordering example: HF EF32960 150mm SC0 (HD63290826)

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HD EF32961 150mm	HD63290828	HD63290829	150	12
HD EF32761 180mm	HD63290896	HD63290015	180	12
HD EF32461 300mm	HD63290933	HD63290934	300	12

Ordering example: HF EF32961 150mm SC0 (HD63290828)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HD EF32962 150mm	HD63290830	HD63290831	150	12
HD EF32762 180mm	HD63290897	HD63290016	180	12

Ordering example: HF EF32962 150mm SC0 (HD63290830)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HD EF32963 150mm	HD63290832	HD63290833	150	12
HD EF32763 180mm	HD63290898	HD63290017	180	12

Ordering example: HF EF32963 150mm SC0 (HD63290832)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HD EF32964 150mm	HD63290834	HD63290835	150	12
HD EF32764 180mm	HD63290899	HD63290048	180	12
HD EF32464 300mm	HD63290935	HD63290936	300	12

Ordering example: HF EF32964 150mm SC0 (HD63290834)

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths.
Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HD EF32965 150mm	HD63290836	HD63290837	150	12

Ordering example: HF EF32965 150mm SC0 (HD63290836)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32970 150mm	HD63290838	HD63290839	150	12
HF EF32770 180mm	HD63290900	HD63290901	180	12
HF EF32470 300mm	HD63290937	HD63290938	300	12

Ordering example: HF EF32970 150mm SC0 (HD63290838)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32971 150mm	HD63290840	HD63290841	150	12
HF EF32771 180mm	HD63290902	HD63290049	180	12

Ordering example: HF EF32971 150mm SC0 (HD63290840)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32972 150mm	HD63290842	HD63290843	150	12

Ordering example: HF EF32972 150mm SC0 (HD63290842)

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32973 150mm	HD63290844	HD63290845	150	12

Ordering example: HF EF32973 150mm SC0 (HD63290844)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32974 150mm	HD63290846	HD63290847	150	12

Ordering example: HF EF32974 150mm SC0 (HD63290846)

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32975 150mm	HD63290848	HD63290849	150	12

Ordering example: HF EF32975 150mm SC0 (HD63290848)



Model .	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32980 150mm	HD63290850	HD63290851	150	12
HF EF32780 180mm	HD63290903	HD63290904	180	12
HF EF32480 300mm	HD63290939	HD63290940	300	12

Ordering example: HF EF32980 150mm SC0 (HD63290850)



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32981 150mm	HD63290852	HD63290853	150	12
HF EF32781 180mm	HD63290905	HD63290047	180	12
HF EF32481 300mm	HD63290941	HD63290942	300	12

Ordering example: HF EF32981 150mm SC0 (HD63290852)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32982 150mm	HD63290854	HD63290855	150	12
HF EF32782 180mm	HD63290906	HD63290907	180	12

Ordering example: HF EF32982 150mm SC0 (HD63290854)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32983 150mm	HD63290856	HD63290857	150	12
HF EF32783 180mm	HD63290908	HD63290909	180	12

Ordering example: HF EF32983 150mm SC0 (HD63290856)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32984 150mm	HD63290858	HD63290859	150	12

Ordering example: HF EF32984 150mm SC0 (HD63290858)

Protective equipment required while operation.



Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths.
Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32985 150mm	HD63290860	HD63290861	150	12

Ordering example: HF EF32985 150mm SC0 (HD63290860)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32990 150mm	HD63290862	HD63290863	150	12
HF EF32790 180mm	HD63290910	HD63290018	180	12

Ordering example: HF EF32990 150mm SC0 (HD63290862)

G06

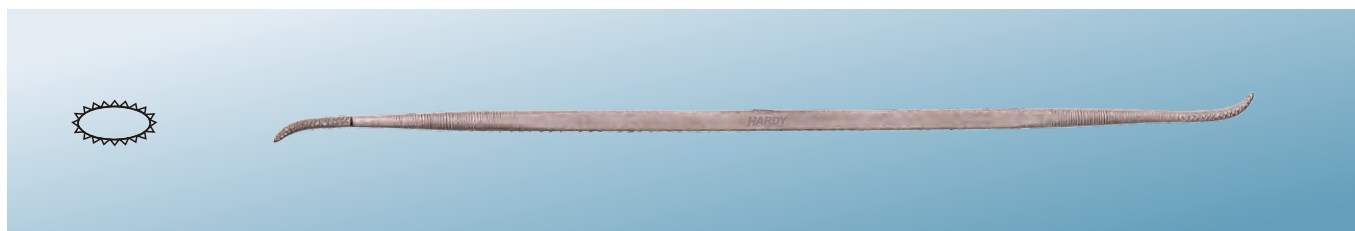
Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32991 150mm	HD63290864	HD63290865	150	12

Ordering example: HF EF32991 150mm SC0 (HD63290864)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32995 150mm	HD63290866	HD63290867	150	12
HF EF32795 180mm	HD63290911	HD63290019	180	12

Ordering example: HF EF32995 150mm SC0 (HD63290866)

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths.
Recommended for steel, plastic, copper etc.



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32996 150mm	HD63290868	HD63290869	150	12
HF EF32796 180mm	HD63290912	HD63290913	180	12

Ordering example: HF EF32996 150mm SC0 (HD63290868)



Model	Swiss cut (SC)		Length (mm)	 Packaging
	0	2		
	Article No.			
HF EF32997 150mm	HD63290870	HD63290871	150	12

Ordering example: HF EF32997 150mm SC0 (HD63290870)

G06

Riffler files

For processing of hard-to-reach areas. They are used by mold and pattern makers, engravers and gold-and silver smiths. Recommended for steel, plastic, copper etc.

Set of riffler files - 12 files

Model	Swiss cut (SC)		Length (mm)	Shapes	 Packaging
	0	2			
	Article No.				
HF EF32197-12P SET 150mm	HD63290074	HD63290075	150	EF32910/EF32911/EF32930/EF32940/EF32952/EF32955 EF32965/EF32970/EF32972/EF32981/EF32984/EF32985	1
HF EF32277-12P SET 180mm	HD63290076	HD63290077	180	EF32711/EF32713/EF32731/EF32740/EF32741/EF32750 EF32761/EF32763/EF32764/EF32771/EF32781/EF32790	1

Order instruction: HF EF32197-12P SET 150mm SC0 (HD63290074)

Set of riffler files - 6 files

Model	Swiss cut (SC)		Length (mm)	Shapes	 Packaging
	0	2			
	Article No.				
HF EF381-6P SET 150mm	HD63290078	HD63290079	150	EF32915/EF32930/EF32943/EF32955/EF32965/EF32981	1
HF EF382-6P SET 180mm	HD63290080	HD63290081	180	EF32711/EF32731/EF32741/EF32750/EF32764/EF32781	1

Ordering example: HF EF381-6P SET 150mm SC0 (HD63290078)



Milled tooth files

For Roughing of soft metals, plastics and wood

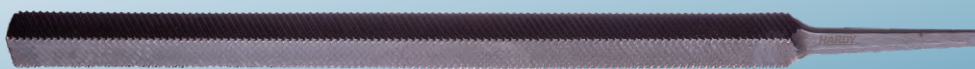
Hand



Model	German cut (C)				Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4			
	Article No.						
HF GF7216 150mm	HD63290740	HD63290746	–	–	150	18×5	10
HF GF7216 200mm	HD63290741	HD63290747	–	–	200	21×5.8	10
HF GF7216 250mm	HD63290742	HD63290748	HD63290752	HD63290755	250	26×7	12
HF GF7216 300mm	HD63290743	HD63290749	HD63290753	HD63290756	300	31×8.3	5
HF GF7216 350mm	HD63290744	HD63290750	HD63290754	–	350	36×8.8	5
HF GF7216 400mm	HD63290745	HD63290751	–	–	400	39×9.8	5

Ordering example: HF GF7216 150mm C1 (HD63290746)

Three square



Model	German cut (C)		Length (mm)	Cross section (mm)	 Packaging
	1	2			
	Article No.				
HF GF7217 250mm	HD63290757	HD63290759	250	17	10
HF GF7217 300mm	HD63290758	HD63290760	300	20	10

Ordering example: HF GF7217 250mm C1 (HD63290757)

Protective equipment required while operation.



G06

Milled tooth files

For Roughing of soft metals, plastics and wood

Square



Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					
HF GF7218 250mm	HD63290761	HD63290763	HD63290765	250	10	10
HF GF7218 300mm	HD63290762	HD63290764	HD63290766	300	12	10

Ordering example: HF GF7218 250mm C1 (HD63290761)

Round



Model	German cut (C)		Length (mm)	Cross section (mm)	 Packaging
	1	2			
	Article No.				
HF GF7220 250mm	HD63290767	HD63290769	250	10	10
HF GF7220 300mm	HD63290768	HD63290770	300	12	10

Ordering example: HF GF7220 250mm C1 (HD63290767)

G06

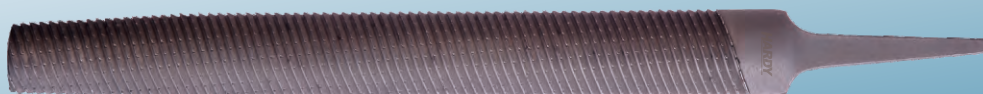
Protective equipment required while operation.



Milled tooth files

For Roughing of soft metals, plastics and wood

Half-round



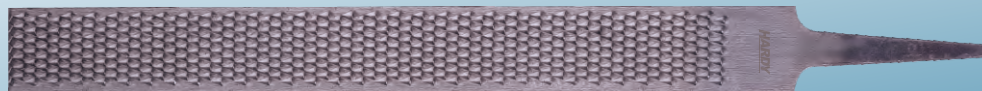
Model	German cut (C)			Length (mm)	Cross section (mm)	 Packaging
	1	2	3			
	Article No.					
HF GF7221 200mm	HD63290771	–	–	200	20×6	10
HF GF7221 250mm	HD63290772	HD63290775	HD63290778	250	23×7	10
HF GF7221 300mm	HD63290773	HD63290776	HD63290779	300	27×9	5
HF GF7221 350mm	HD63290774	HD63290777	–	350	30×10	5

Ordering example: HF GF7221 200mm C1 (HD63290771)



Wood rasps

Hand



Model	German cut (C)					Length (mm)	Cross section (mm)	 Packaging
	1	2	4	5	6			
	Article No.							

Without file handle

HF BF6116 150mm	HD63290943	HD63290947	HD63290951	HD63290955	HD63290959	150	16×4	10
HF BF6116 200mm	HD63290944	HD63290948	HD63290952	HD63290956	HD63290960	200	20×5	10
HF BF6116 250mm	HD63290945	HD63290949	HD63290953	HD63290957	HD63290961	250	25×6.3	10
HF BF6116 300mm	HD63290946	HD63290950	HD63290954	HD63290958	HD63290962	300	31.5×8	5

With file handle (SB)

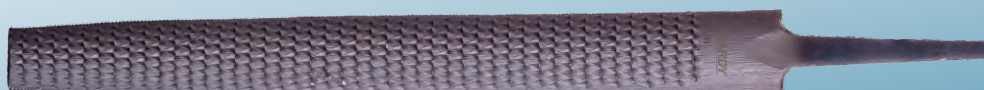
SB HF BF6116 150mm	HD63291097	–	–	–	–	150	16×4	10
SB HF BF6116 200mm	HD63291098	HD63291100	–	–	–	200	20×5	10
SB HF BF6116 250mm	HD63291099	HD63291101	–	–	–	250	25×6.3	10

Ordering example: HF BF6116 150mm C1 (HD63290943)



Wood rasps

Half-round



Model	German cut (C)						Length (mm)	Cross section (mm)	 Packaging
	1	2	3	4	5	6			
	Article No.								

Without hand shank

HF BF6207 150mm	HD63290963	HD63290968	HD63290972	HD63290976	HD63290980	HD63290984	150	15×4.4	10
HF BF6207 200mm	HD63290964	HD63290969	HD63290973	HD63290977	HD63290981	HD63290985	200	20×5.5	10
HF BF6207 250mm	HD63290965	HD63290970	HD63290974	HD63290978	HD63290982	HD63290986	250	23.8×7.1	10
HF BF6207 300mm	HD63290966	HD63290971	HD63290975	HD63290979	HD63290983	HD63290987	300	28.6×8.7	5
HF BF6207 350mm	HD63290967	–	–	–	–	–	350	34.5×10	5

With hand shank (SB)

SB HF BF6207 150mm	HD63291102	HD63291105	HD63291108	–	–	–	150	15×4.4	10
SB HF BF6207 200mm	HD63291103	HD63291106	HD63291109	–	–	–	200	20×5.5	10
SB HF BF6207 250mm	HD63291104	HD63291107	HD63291110	–	–	–	250	23.8×7.1	10

Ordering example: HF BF6207 150mm C1 (HD63290963)



Wood rasps

Round



Model	German cut (C)				Length (mm)	Cross section (mm)	 Packaging
	2	4	5	6			
	Article No.						

Without file handle

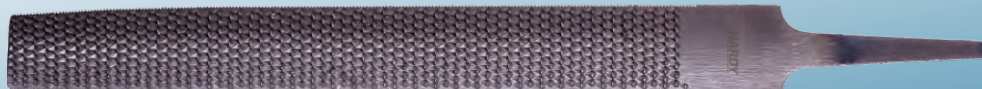
HF BF6304 150mm	HD63290988	HD63290991	HD63290995	HD63290999	150	6.3	10
HF BF6304 200mm	HD63290989	HD63290992	HD63290996	HD63291000	200	8	10
HF BF6304 250mm	HD63290990	HD63290993	HD63290997	HD63291001	250	10	10
HF BF6304 300mm	—	HD63290994	HD63290998	HD63291002	300	12.5	5

With file handle (SB)

SB HF BF6304 200mm	HD63291111	—	—	—	200	8	10
SB HF BF6304 250mm	HD63291112	—	—	—	250	10	10

Ordering example: HF BF6304 150mm C2 (HD63290988)

Half-round



Model No.	German cut (C)					Length (mm)	Cross section (mm)	 Packaging
	2	3	4	5	6			
	Article No.							
HF BF6208 150mm	—	—	HD63291009	HD63291013	HD63291017	150	25×4.2	10
HF BF6208 200mm	HD63291003	HD63291006	HD63291010	HD63291014	HD63291018	200	28×4.7	10
HF BF6208 250mm	HD63291004	HD63291007	HD63291011	HD63291015	HD63291019	250	31.5×5.3	10
HF BF6208 300mm	HD63291005	HD63291008	HD63291012	HD63291016	HD63291020	300	35.5×6	5

Ordering example: HF BF6208 150mm C4 (HD63291009)

Protective equipment required while operation.



Wood rasps

Shape		Model	Swiss cut (SC)		Length (mm)	 Packaging
			0	2		
			Order No.			
	 Hand	HF BF821 215mm	HD63291021	HD63291022	215	12
	 Half-round	HF BF823 215mm	HD63291023	HD63291024	215	12
	 Three square	HF BF824 215mm	HD63291025	HD63291026	215	12
	 Square	HF BF825 215mm	HD63291027	HD63291028	215	12
	 Round	HF BF826 215mm	HD63291029	HD63291030	215	12

Ordering example: HF BF821 215mm SC0 (HD63291021)

Wood rasps

Set of wood rasps - 5 rasps

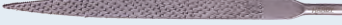


Model	Article No.	Swiss cut (SC)	Length (mm)	Shapes	 Packaging
BF349-5P SET 215mm SC0	HD63290082	0	215	  	1
BF349-5P SET 215mm SC2	HD63290083	2	215	 	1

Ordering example: BF 349-5P SET 215mm SC0 (HD63290082)



Wood rasps

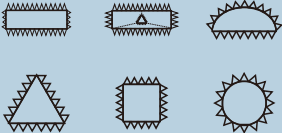
Shape		Model	Article No.	Swiss cut (SC)	Length (mm)	Packaging
	Hand 	HF CF521 140mm SC2	HD63291031	2	140	12
	Flat 	HF CF522 140mm SC2	HD63291032	2	140	12
	Half-round 	HF CF523 140mm SC2	HD63291033	2	140	12
	Three square 	HF CF524 140mm SC2	HD63291034	2	140	12
	Square 	HF CF525 140mm SC2	HD63291035	2	140	12
	Round 	HF CF526 140mm SC2	HD63291036	2	140	12

Ordering example: HF CF521 140mm SC2 (HD63291031)

Wood rasps

Set of wood rasps - 6 rasps



Model	Article No.	Swiss cut (SC)	Length (mm)	Shapes	 Packaging
HF CF549-6P SET 140mm SC2	HD63290084	2	140		1

Ordering example: HF CF549-6P SET 140mm SC2 (HD63290084)

Wood rasps - Special shaped

Shape		Model	Swiss cut (SC)		Length (mm)	
			1	3		
			Article No.			
		HF BF32511 180mm	–	HD63291037	180	12
		HF BF32531 180mm	HD63291038	HD63291039	180	12
		HF BF32541 180mm	HD63291040	HD63291041	180	12
		HF BF32550 180mm	HD63291043	HD63291043	180	12
		HF BF32563 180mm	HD63291045	HD63291045	180	12
		HF BF32581 180mm	HD63291046	HD63291047	180	12

Ordering example: HF BF32511 180mm C3 (HD63291037)

Diamond files

Grit size	Diamond	CBN	United States Standard (Mesh number per inch)
fine- coarse	D 46	B 46	325/400
	D 54	B 54	270/325
	D 64	B 64	230/270
	D 76	B 76	200/230
	D 91	B 91	170/200
	D 107	B 107	140/170
	D 126	B 126	120/140
	D 151	B 151	100/120
	D 181	B 181	80/100
	D 213	B 213	70/80
	D 251	B 251	60/70

Diamond and CBN abrasives generally create higher surface roughness than conventional abrasives.

The listed grits sizes conform to ISO 6106 resp. FEPA and US Standard.



Shape		Model	Grit size			L1 (mm)	L2 (mm)	Cross section (mm)	Tang Diameter ¢ (mm)	 Packaging
			D91	D126	D151					
			Article No.							
	Hand	HDF JF321 140mm	HD63291052	HD63291048	HD63291050	140	70	5.5×1.5	3.0	1
		HDF JF321 160mm	HD63291053	HD63291049	HD63291051	160	80	6×1.5	3.5	1
	Hand with rounded edges	HDF JF329 140mm	HD63291088	HD63291084	HD63291086	140	70	5.5×1.5	3.0	1
		HDF JF329 160mm	HD63291089	HD63291085	HD63291087	160	80	6×1.5	3.5	1
	Half-round	HDF JF323 140mm	HD63291058	HD63291054	HD63291056	140	70	5×2	3.0	1
		HDF JF323 160mm	HD63291059	HD63291055	HD63291057	160	80	6×2	3.5	1
	Round	HDF JF326 140mm	HD63291076	HD63291072	HD63291074	140	70	3.0	3.0	1
		HDF JF326 160mm	HD63291077	HD63291073	HD63291075	160	80	3.5	3.5	1
	Three square	HDF JF324 140mm	HD63291064	HD63291060	HD63291062	140	70	4×4	3.0	1
		HDF JF324 160mm	HD63291065	HD63291061	HD63291063	160	80	4.5×4.5	3.5	1
	Square	HDF JF325 140mm	HD63291070	HD63291066	HD63291068	140	70	3×3	3.0	1
		HDF JF325 160mm	HD63291071	HD63291067	HD63291069	160	80	3.5×3.5	3.5	1
	Knife	HDF JF327 140mm	HD63291082	HD63291078	HD63291080	140	70	5×2	3.0	1
		HDF JF327 160mm	HD63291083	HD63291079	HD63291081	160	80	6×2.5	3.5	1

Ordering example: HDF JF321 140mm D91 (HD63291052)

Protective equipment required while operation.



Diamond files

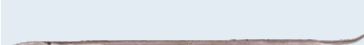
Set of Diamond files - 6 files



Model	Grit size			Length (mm)	Shapes	 Packaging
	D91	D126	D151			
	Article No.					
HDF JF6349-6P SET 140mm	HD63290089	HD63290085	HD63290087	140	  	1
HDF JF6349-6P SET 160mm	HD63290090	HD63290086	HD63290088	160	  	1

Ordering example: HDF JF6349-6P SET 140mm +D91 (HD63290089)

Diamond files - special-shaped

Shape		Model	Article No.	Grit size	Length (mm)	Length of diamond section (mm)	Cross section (mm)	Packaging
		HDF JF32974 150mm D107	HD63291095	D107	150	25	4×1.5	1
		HDF JF32918 150mm D107	HD63291091	D107	150	25	5×2	1
		HDF JF32911 150mm D107	HD63291090	D107	150	25	3×1.5	1
		HDF JF32930 150mm D107	HD63291092	D107	150	25	2×2	1
		HDF JF32943 150mm D107	HD63291093	D107	150	25	3×3	1
		HDF JF32985 150mm D107	HD63291096	D107	150	25	3	1
		HDF JF32965 150mm D107	HD63291094	D107	150	25	2	1

Ordering example: HDF JF32974 150mm D107 (HD63291095)

G06

Protective equipment required while operation.

