

PRODUCT CATALOG

DIAMOND FILES

Electroplated diamond files for hardened steel, carbide, glass and ceramics — cutting in every direction, on materials conventional files cannot touch.



NEEDLE FILES

DNF



HAND FILES

DHF



RIFFLER FILES

DRF

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THE DIAMOND FILE RANGE

Monocrystalline diamond grit electroplated in a single layer onto hardened steel blanks.
Diamond cuts on push and pull strokes alike and works materials up to 70 HRC and beyond.



NEEDLE FILES

DNF • 10 shapes

Fine work on dies, gauges, inserts and small parts. Ten cross-sections, sets or individual.

LENGTH	140 / 160 mm
SHAPES	10
PAGE	03-04



HAND FILES

DHF • 4 shapes

Workshop format for heavier stock removal on hardened surfaces and weld seams.

LENGTH	200 / 250 mm
SHAPES	4
PAGE	05



RAFTER FILES

DRF • 6 combinations

Double-ended curved tips for cavities, internal radii and sculpted surfaces.

LENGTH	180 mm
SHAPES	6 × 2 ends
PAGE	06

GRIT GUIDE

GRADE	FEPA	GRIT / MESH	MICRON	SUFFIX	TYPICAL USE
Coarse	D181	80/100	181 µm	-D181	Fast stock removal, weld dressing
Standard	D126	120/140	126 µm	-D126	General filing — fitted as standard
Fine	D91	170/200	91 µm	-D91	Finishing, edge honing
Extra fine	D64	230/270	64 µm	-D64	Polishing preparation, fine detail

WORKS WHAT STEEL CAN'T

Carbide, HSS, hardened steel, glass, ceramic, stone and GRP.

CUTS IN ALL DIRECTIONS

Bonded grit has no tooth direction — push, pull and lateral strokes.

CUSTOM ON REQUEST

Special shapes, lengths and grits to order.

DIAMOND NEEDLE FILES

Electroplated single layer
monocrystalline diamond
140 / 160 mm



DESCRIPTION

Scarb® Diamond Needle Files carry a single electroplated layer of monocrystalline diamond on precision-ground steel blanks. They cut hardened tool steel, carbide, glass and ceramics that conventional files cannot work, and hold their geometry for accurate deburring, slot correction and die finishing.

FEATURES

- Cuts materials up to and beyond 70 HRC.
- Cuts on push, pull and lateral strokes — no tooth direction.
- Uniform grit layer for consistent surface finish.
- Ten standard cross-sections in one set or individually.
- Non-loading on glass, ceramic and GRP with light pressure.

APPLICATIONS

- Tool & die: finishing hardened dies, punches and gauges.
- Deburring carbide inserts and HSS cutting edges.
- Mould correction and EDM rework.
- Glass, ceramic and stone detail work.
- Jewellery, watchmaking and model engineering.

BOND / GRIT

Nickel electroplated · D126
standard

BLANK

Hardened spring steel, ground

SIZES

140 mm (cut 70 mm) · 160 mm (cut 80 mm)

TECHNICAL DATA

TEN STANDARD SHAPES

Article number = shape code + length + grit suffix, e.g. DNF-FL-140-D126. Grits D64 (fine) and D181 (coarse) on request.

SHAPE	CROSS-SECTION	140 × 3 MM		160 × 4 MM	
		ART. NO.	CUT MM	ART. NO.	CUT MM
Flat	Rectangular, parallel	DNF-FL-140-D126	70	DNF-FL-160-D126	80
Flat tapered	Rectangular, tapered	DNF-FT-140-D126	70	DNF-FT-160-D126	80
Half-round	Segment	DNF-HR-140-D126	70	DNF-HR-160-D126	80
Round	Circular	DNF-RD-140-D126	70	DNF-RD-160-D126	80
Square	Square	DNF-SQ-140-D126	70	DNF-SQ-160-D126	80
Triangular	Equilateral 60°	DNF-TR-140-D126	70	DNF-TR-160-D126	80
Knife	Wedge	DNF-KN-140-D126	70	DNF-KN-160-D126	80
Barrette	Flat, safe back	DNF-BA-140-D126	70	DNF-BA-160-D126	80
Crossing	Double segment	DNF-CR-140-D126	70	DNF-CR-160-D126	80
Oval	Elliptical	DNF-OV-140-D126	70	DNF-OV-160-D126	80

SET OPTIONS

ART. NO.	CONTENTS	GRIT
DNF-SET5-140-D126	5 pcs: flat, half-round, round, square, triangular · plastic wallet	D126
DNF-SET10-140-D126	10 pcs: all shapes · plastic wallet	D126
DNF-SET10-160-D91	10 pcs: all shapes, fine grit · plastic wallet	D91

DIAMOND HAND FILES

Workshop format
ergonomic grip
200 / 250 mm



DESCRIPTION

Scarb® Diamond Hand Files bring diamond cutting to the standard workshop file format. Full-size blanks with ergonomic handles take heavier stock removal on hardened surfaces, weld seams and carbide-tipped tooling, where conventional bastard and second-cut files glaze and skid.

FEATURES

- Full workshop sizes: 200 mm and 250 mm.
- Four cross-sections: flat, half-round, round, triangular.
- Coarse D181 for stock removal, D126 for finishing.
- Two-component handle, impact resistant.
- Cleans with a brass brush — no pinning like toothed files.

APPLICATIONS

- Dressing hardened weld seams and flame-cut edges.
- Fitting and adjusting hardened machine parts on site.
- Sharpening carbide-tipped saw blades and tooling.
- Maintenance filing on chilled cast iron and white iron.

TECHNICAL DATA

SHAPE	200 MM · D126		250 MM · D181	
Flat	DHF-FL-200-D126	20 × 5	DHF-FL-250-D181	25 × 6
Half-round	DHF-HR-200-D126	20 × 6	DHF-HR-250-D181	25 × 7
Round	DHF-RD-200-D126	∅ 8	DHF-RD-250-D181	∅ 10
Triangular	DHF-TR-200-D126	14	DHF-TR-250-D181	16

DIAMOND RIFFLER FILES

Double-ended, curved
for recessed work
180 mm



DESCRIPTION

Scarb® Diamond Riffler Files are double-ended files with curved, shaped tips for work that straight files cannot reach: internal radii, recessed cavities and sculpted surfaces in hardened dies and moulds. The slim centre section acts as the handle.

FEATURES

- Two working ends per file — twice the shapes per tool.
- Curved tips reach cavities, radii and undercuts.
- Six end-shape combinations cover most die work.
- D126 grit standard; D91 fine on request.

APPLICATIONS

- Die and mould cavity finishing after EDM.
- Blending internal radii in hardened components.
- Engraving, sculpture and stone detail work.
- Rework of coated and hardened gauge surfaces.

TECHNICAL DATA — 180 MM · D126

ART. NO.	END 1	END 2
DRF-1-180-D126	Flat spoon	Flat spoon, angled
DRF-2-180-D126	Half-round spoon	Round point
DRF-3-180-D126	Knife	Flat spoon
DRF-4-180-D126	Round point	Oval spoon
DRF-5-180-D126	Triangular point	Half-round spoon
DRF-6-180-D126	Square point	Barrette spoon

Custom shapes, lengths and grits on request — contact Scarb with a drawing or sample.

www.scarbtools.com