

**Hand file, Cut 3, Length without tang: 200mm****Order data**

Order number	510220 200
GTIN	4045197889140
Item class	52A

Description**Version:**

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These **non-convex files** have tooth profiles appropriate to each grade of file.

Cuts on 3 faces; square end.**Application:**

The **quality file** for workshop use with long tool life and high removal rate.

Standard:**DIN 7261 Form A**

Standard: DIN 7261

Cross section: 19×5 mm

Technical description

Cross section	19×5 mm
Length without tang	200 mm
Product name attribute	Cut 3
Cut	3
Shape	A
Shape description	file with plain end
File surfaces	3
incl. file handle	no
Standard	DIN 7261

Type of product

Engineer's file

User data

	Suitability	V _c	ISO code
Alu Mg	suitable only under restricted conditions		
Steel < 900 N/mm ²	suitable		
Steel < 1400 N/mm ²	suitable		
Steel < 55 HRC	suitable		
Steel < 60 HRC	suitable only under restricted conditions		
INOX	suitable only under restricted conditions		
GG(G)	suitable		
CuZn	suitable		
Plastic, GRP	suitable		
Wood	suitable		

Accessories

Plastic file handle Overall length 100 mm	519510 100
Plastic file handle Overall length 120 mm	519550 120
2-component ergonomic file handle Overall length 120 mm	519600 120
File brush Bristle length L3× width L1 100X25 mm	576000 100X25
2-component ergonomic file handle Overall length 110 mm	519600 110
File brush Bristle length L3× width L1 115X40 mm	576000 115X40
Plastic file handle Overall length 110 mm	519550 110
Plastic file handle Overall length 110 mm	519510 110
File brush Bristle length L3× width L1 80X20 mm	576000 80X20

Hardwood file handle Overall length 120 mm

519400 120