

**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**

**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 <sub>c</sub>	ISO code
Alu Mg	suitable only under restricted conditions		
Steel < 900 N/mm <sup>2</sup>	suitable		
Steel < 1400 N/mm <sup>2</sup>	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

