

**Square file, Smooth (cut 3), Length without tang: 150mm****Order data**

Order number	512300 150
GTIN	4009215017410
Item class	56B

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 all faces; convex end.

Application:

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

Standard:

DIN 7261 Form D

Technical description

Length without tang	150 mm
Width	6 mm
Product name attribute	Smooth (cut 3)
Cut	3
Type of cut	Finishing
Shape	D
Shape description	square, taper plain end
File surfaces	4
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

2-component ergonomic file handle Overall length 110 mm	519600 110
File brush Bristle length L3× width L1 80X20 mm	576000 80X20
Plastic file handle Overall length 110 mm	519550 110
Plastic file handle Overall length 90 mm	519510 90
Plastic file handle Overall length 100 mm	519510 100
Hardwood file handle Overall length 100 mm	519400 100
File brush Bristle length L3× width L1 115X40 mm	576000 115X40
File brush Bristle length L3× width L1 100X25 mm	576000 100X25