

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

Order number	513300 150
GTIN	4009215017601
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.

With helical cut; convex end.

Application:

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

Standard:

DIN 7261 Form E

Technical description

Length without tang	150 mm
Cross section	16x5 mm
Product name attribute	Smooth (cut 3)
Cut	3
Type of cut	Finishing
Shape	E
Shape description	half round
File surfaces	cuts on all faces
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

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 100 mm	519510 100
File brush Bristle length L3× width L1 115X40 mm	576000 115X40
Plastic file handle Overall length 90 mm	519510 90
File brush Bristle length L3× width L1 100X25 mm	576000 100X25
Hardwood file handle Overall length 120 mm	519400 120
2-component ergonomic file handle Overall length 110 mm	519600 110