



## Diamond needle file, 140 mm Grit D91 (fine), Type: 11



### Order data

Order number	529210 11
GTIN	4007220016930
Item class	53B

### Description

#### Version:

The blanks for these needle files are forged and ground from special steel. The diamond needle files are evenly spread with diamond powder of uniform grit and electro-bonded in place. The even diamond coating and the hardness of the diamond ensure best filing results. **Overall file length = 140 mm**; diamond coated length = 70 mm; shank  $\varnothing = 3$  mm.

#### Application:

For precision finishing of cutting, stamping and press tools made of **hardened steel** or **carbide**. Also for working **glass, ceramic** etc. Use **light pressure** for filing, particularly at edges. Heavier pressure does not increase the removal rate but damages the file.

#### Grit:

Fine grit **D 91**

#### Optional extras:

A **quick-release handle** for these files can be found under No. 519700.

### Technical description

Shape description	crossing
Cross-section with coating	5.0×2.2 mm
Coating length	70 mm
Grinding media	Diamond
Grinding medium code	D
Grit	D91
incl. file handle	no
Type of product	Needle file

## User data

	<b>Suitability</b>	<b>V<sub>c</sub></b>	<b>ISO code</b>
Steel < 1400 N/mm <sup>2</sup>	suitable		
Steel < 55 HRC	suitable		
Steel < 60 HRC	suitable		
Steel < 67 HRC	suitable		
Carbide (HM)	suitable		
INOX	suitable		
Ti	suitable		
GG(G)	suitable		
Plastic, GRP	suitable		
Stone	suitable only under restricted conditions		

## Accessories

Quick-release handle for needle files Type 3	519700 3
Quick-release handle for needle files Type 2	519700 2