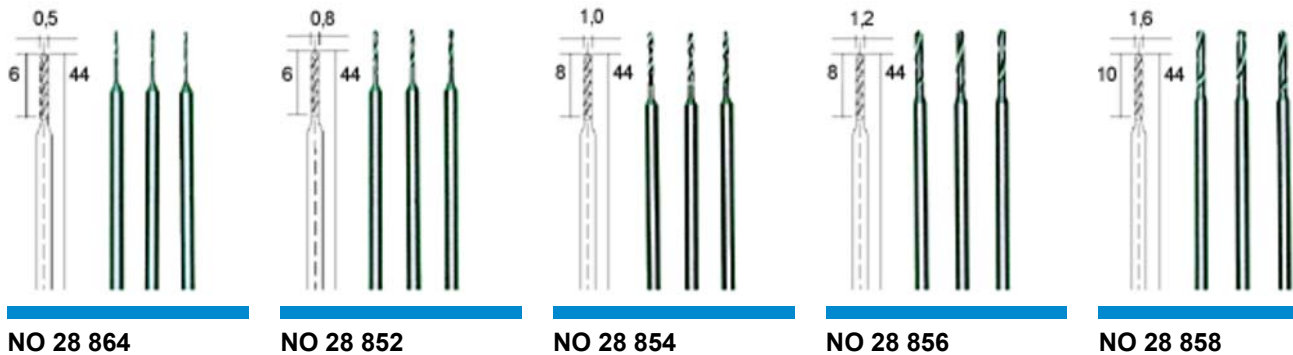




Bits and cutters of industrial and dental quality: Drill bits (all measures in mm).

For metal, plastic, wood: HSS drill bits

Note: The term HSS for this tool category comes from the utilised drill material. High speed steel (HSS) is a high alloy tool steel extremely resistant to wear due to its manufacturing process and is dimensionally stable up to approx. 600°C. Cutting oil or coolant emulsion should be used as cooling lubricant, when machining steel. Spirits or petroleum should be used for aluminium. Normally, plastic and wood can be dry-machined.



HSS drill bits

Selected steel quality. Purpose-made stable construction with high concentricity. Shaft and bit are manufactured from a one-piece blank. High hardness for optimum life expectancy and elasticity. For drilling metal, non-ferrous metals, plastic, PC cards and wood. Work speeds: soft materials approx. 8,000rpm, hard materials approx. 3,000rpm. Ø shanks 2.35mm. Rotational speed see table.



NO 28 874

HSS twist drill bits in storage case

10-piece set. Similar to DIN 338. Ø 0.3 - 0.5 - 0.8 - 1 - 1.2 - 1.5 - 2 - 2.5 - 3 - 3.2mm. For drilling non-ferrous metal, steel and stainless steel. In labelled cassette with fold back and stand function. For clamping we recommend our 3-jaw drill chuck. Rotational speed see table.

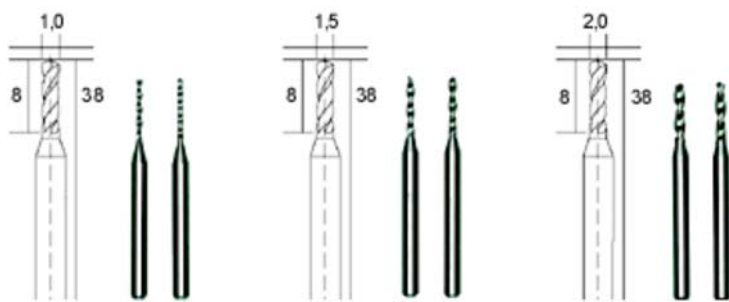


NO 28 876

HSS twist drill bit set with centring pin in storage case

6-piece set. Ø 1.5 - 2.0 - 2.5 - 3.0 - 3.5 - 4.0mm. For precision tapping of wood and plastics; also non-ferrous metal, steel and stainless steel sheets. Titanium coating reduces friction and increases service life. Shaft Ø 3mm, 6-piece set. Rotational speed see table.

For steel, glass, circuit boards: Tungsten carbide drill bits



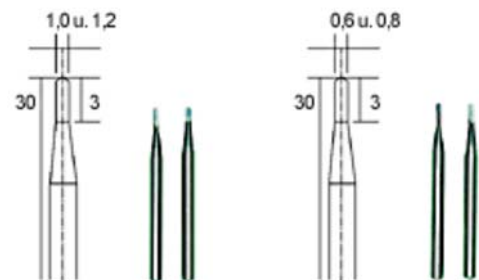
NO 28 324

NO 28 326

NO 28 328

Tungsten carbide drill bits

Made of wear-resistant tungsten carbide. For drilling glass, semiprecious stones, porcelain, ceramics, marble and other hard stones. The hard stones are subdivided according to the degree of hardness from 1 - 10. Tungsten carbide can be used up to hardness degree 6. Drilling hard stones with a hardness degree of more than 6 calls for the use of diamond tools. Shaft Ø 3.0mm. With ideal cutting angle of 6°. Rotational speed see table.



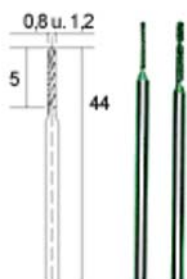
NO 28 320

NO 28 321

Tungsten carbide milling drill bits (spear drill bits)

For drilling, milling and cutting fibre glass or PERTINAX circuit boards. Also for drilling pearls and similar. Shaft Ø 2.35mm. Rotational speed see table.

For glass, ceramics, plastic: Diamond tools



NO 28 255

Diamond twist drill bits

For drilling holes in (semi) precious stones, etc. Shaft Ø 2.35mm.