

# 11453170015 | 19 fully ground TiN coated HSS metal drill bits, split point - Tri-flat shank Ø 1 to 10 mm

High-performance drill bit for the intensive drilling of strong metals and stainless steels, superior lifespan thanks to its TITANIUM coating. Precise and rapid drilling.



- Especially for high-strength steels, stainless steels and cast irons
- Superior long life
- Rapid drilling
- Precise drilling
- Anti-rotation attachment

- Automatic centring
- Tri-flat shank
- High-speed steel
- 135° tip
- TiN coating

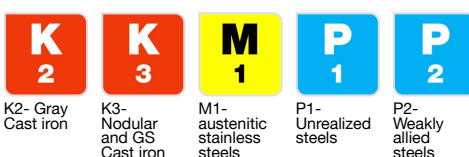
Ø 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4 - 4.5 - 5 - 5.5 - 6 - 6.5 - 7 - 7.5 - 8 - 8.5 - 9 - 9.5 - 10 mm -TIVOLY BOX Case



## Machine



## Application



## Features



## Properties and benefits

- + Split-point grinding:reduction of the drill tip. ➡ Enables the simple self-centring of the drill bit on the smoothest of surfaces. Significantly reduces the required axial load.
- + Tri-flat shank: cylindrical shank with 3x 120° flats, for 3-piece drill chucks. ➡ Enables maximum torque transmission Prevents the rotation of the bit in the chuck. Specially adapted for through-holes.
- + High-speed steel: HSS substrate ➡ For general use in steels and cast irons up to 950 N/mm<sup>2</sup>
- + 135° tip: 135° tip angle for the sharpening of the drill bit. ➡ Suitable for strong and difficult materials. Enables a shorter and stronger cutting edge, thus prolonging the service life.
- + TiN coating: TiN base, thickness 2/4µm, hardness 2300HV, coefficient of friction 0.4, heat resistance 600°C. Protects against abrasion, oxidation, adhesion. ➡ Thermal shield. Allows you to increase service life, cutting speed, and progress. Reduces the axial load. General use.

## Données de gestion :

PCB : 1 / Kilogram. : 0,540 / Dimensions : 0180x0140x0043 mm / EAN : 3221912092892