

# 1144852 | HSS step drill bit -TivolyNorm -Helical -Split point -Tri-flat shank

High-performance drill bit for the fast and intensive drilling of high-strength steels, thanks to its helical fluting and self-centring cut.



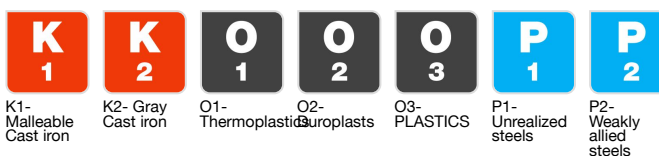
- Especially for fine high-strength steel sheets
- Superior long life
- Rapid drilling
- Optimal chip removal
- Anti-rotation attachment
- Automatic centring
- Tri-flat shank
- High-speed steel



## 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>



Item number M3	EAN (13 digits) M3	Drill diameter Ø	Drill diameter d3	Handle diameter or CM	Total length	Trimmed leng
11448520412	3221910899134	12	4	6	65	42
11448520420	3221910899141	20	4	8	75	52
11448520430	3221910899158	30	4	10	100	77
11448520637	3221910899165	37	6	10	100	77