

# 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.



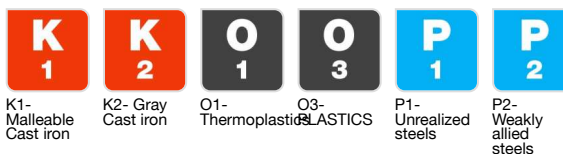
- Especially for sheet metals and plastics
- Superior long life
- Rapid drilling
- Optimal chip removal
- Anti-rotation attachment
- Automatic centring
- Tri-flat shank
- High-speed steel



## 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>

## Sets



3 conical stepped HSS drill bits with helical flutes Ø 4 to 30 mm



| Item number<br>M3 | EAN (13 digits)<br>M3 | Drill<br>diameter Ø | Drill<br>diameter<br>d3 | Handle<br>diameter or<br>CM | Total<br>length | Trimmed<br>length | I3 | QTY | PCB |
|-------------------|-----------------------|---------------------|-------------------------|-----------------------------|-----------------|-------------------|----|-----|-----|
| 11448520412       | 3221910899134         | 12                  | 4                       | 6                           | 65              | 42                | 1  | 1   |     |

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

|              |               |    |   |    |     |    |   |   |
|--------------|---------------|----|---|----|-----|----|---|---|
| 11448520420  | 3221910899141 | 20 | 4 | 8  | 75  | 52 | 1 | 1 |
| 11448520430  | 3221910899158 | 30 | 4 | 10 | 100 | 77 | 1 | 1 |
| 11448520637  | 3221910899165 | 37 | 6 | 10 | 100 | 77 | 1 | 1 |
| 11448510632  | 3221912187154 | 32 | 6 | 10 | 76  | 53 | 1 | 1 |
| 114485106321 | 3221912187147 | 32 | 6 | 10 | 76  | 53 | 1 | 1 |
| 11448510640  | 3221912187161 | 40 | 6 | 10 | 105 | 82 | 1 | 1 |