

**Garant**
**Stepped drill HSS, TiAlN, Cutter Ø: 12-20mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 118324 12-20  |
| GTIN         | 4045197764379 |
| Item class   | 11C           |

**Description**
**Version:**

With cylindrical spotting drill, Ø figures shown in the flute. Three drive flats on the shank. Stepped drill with spiral flutes for optimum chip evacuation and high-performance coating for high wear resistance.

**Application:**

Drilling and deburring, maximum material thickness = step height (see table).

**Technical description**

|                               |                         |
|-------------------------------|-------------------------|
| Drill steps in increments of  | 1 mm                    |
| Step height                   | 4 mm                    |
| Overall length                | 75 mm                   |
| Shank Ø                       | 9 mm                    |
| Cutting edge Ø D <sub>c</sub> | 12 - 20 mm              |
| Coating                       | TiAlN                   |
| Tool material                 | HSS                     |
| Standard                      | Manufacturer's standard |
| Shank                         | Three drive flats shank |
| Colour ring                   | without                 |
| Type of product               | Stepped drill           |

**User data**

|                               | <b>Suitability</b>                        | <b>V<sub>c</sub></b> | <b>ISO code</b> |
|-------------------------------|-------------------------------------------|----------------------|-----------------|
| Steel < 500 N/mm <sup>2</sup> | suitable                                  |                      |                 |
| Steel < 750 N/mm <sup>2</sup> | suitable                                  |                      |                 |
| Steel < 900 N/mm <sup>2</sup> | suitable                                  |                      |                 |
| INOX < 900 N/mm <sup>2</sup>  | suitable only under restricted conditions |                      |                 |
| Oil                           | suitable                                  |                      |                 |
| wet maximum                   | suitable                                  |                      |                 |
| dry                           | suitable only under restricted conditions |                      |                 |