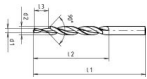


**1141511 | HSS stepped metal drill bit 90° -STEAM treatment -DIN8374 -Fine**

High-performance 90° stepped, ground, double listel drill bit for drilling and milling metals in one operation. Fine.



- Especially for high-strength steels, stainless steels and cast irons
- Tough
- Precise drilling
  
- Cut double margin
- High-speed steel
- STEAM treatment



**Machine**



**Application**

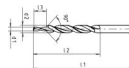
<b>K</b> 1	<b>N</b> 1	<b>N</b> 3	<b>O</b> 1	<b>O</b> 2	<b>O</b> 3	<b>P</b> 1	<b>P</b> 2
K1- Malleable Cast iron	N1- Aluminum alloy	N3- Copper alloy	O1- Thermoplastid	O2- Europlasts	O3- PLASTICS	P1- Unrealized steels	P2- Weakly allied steels

**Features**



**Properties and benefits**

- + Cut double margin : Cylindrical portion for guiding the lip. ⤴ Allows for better tool guidance and chip evacuation.
- + High-speed steel: HSS substrate ⤴ For general use in steels and cast irons up to 950 N/mm<sup>2</sup>
- + STEAM treatment : Steam oxidation treatment. ⤴ Avoids cold bonding. Reduced coefficient of friction in steels.



Item number M3	EAN (13 digits) M3	Drill diameter Ø	Drill diameter d3	Handle diameter or CM	Total length	Trimmed leng
114151110519	3221912290946	10.5	19	19	198	135
11415113260	3221912290892	3.2	6	6	93	57
11415114380	3221912290908	4.3	8	8	117	75
11415115310	3221912290915	5.3	10	10	133	87
114151164115	3221912290922	6.4	11.5	11.5	142	94
11415118415	3221912290939	8.4	15	15	169	114