

**Garant**
**Subland drill HSS 180°, vaporised, for screws: M5**

**Order data**

Order number	117320 M5
GTIN	4045197036346
Item class	11C

**Description**
**Version:**

**Drill and counterbore each with its own chip flutes and guide chamfers.** This means the profile of the stepped drill is retained even after repeated regrinding.

**Application:**

For screw through holes to DIN-ISO 273 and screw head counterbores shape H, J, and K. Medium version to DIN 74 sheet 2.

**Note:**

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

**Technical description**

for screws	M5
Ø D <sub>1</sub> 1st step 180° h9	5.5 mm
Flute length L <sub>c</sub>	87 mm
Step height L <sub>1</sub> 1st step 180°	13 mm
Feed f in steel < 750 N/mm <sup>2</sup>	0.07 mm/rev.
Ø D <sub>2</sub> 2nd step 180° h8	10 mm
Number of cutting edges Z	2
Overall length L	168 mm
Morse taper MT size	1
Coating	vaporised
Tool material	HSS

Standard	DIN 8377
Tolerance nominal $\varnothing$	h9
Point angle	118 °
Helix angle	20-30 °
Shank	Morse taper
Countersink angle	180 °
Through-coolant	no
Colour ring	without
Type of product	Stepped drill

### User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	45 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	40 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	P
GG(G)	suitable	25 m/min	K
CuZn	suitable only under restricted conditions	80 m/min	N
Oil	suitable		
wet maximum	suitable		