

**Garant**
**Countersink HSS 100°, uncoated, External Ø DC: 20,5mm**

**Order data**

Order number	150023 20,5
GTIN	4045197959591
Item class	11M

**Description**
**Version:**

Easy and chatter-free deburring and countersinking.  
Flutes ground from solid.

**Technical description**

External Ø	20.5 mm
smallest countersink Ø for holes from	4 mm
Shank Ø D <sub>s</sub>	10 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.16 mm/rev.
Overall length L	62 mm
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	100 degrees
Tool material	HSS
Standard	Manufacturer's standard
Shank	Parallel shank to h9
Through-coolant	no
Colour ring	without

Type of product

Stepped drill and countersink

**User data**

	<b>Suitability</b>	<b>V<sub>c</sub></b>	<b>ISO code</b>
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	33 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	28 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	27 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	27 m/min	P
wet minimum	suitable		
dry	suitable only under restricted conditions		