

**Garant**
**Hand deburrer 90°, External Ø: 20,5 mm**

**Order data**

Order number	150400 20,5
GTIN	4045197087096
Item class	11M

**Description**
**Version:**

Three-flute countersink with ergonomic plastic handle. Handy power grip made of particularly tough and impact-resistant polypropylene. Due to its special surface structure, the **grip is non-slip even with oily or wet hands.**

**Note:**

For clean deburring and chamfering of holes.

Especially useful for assembly work.

For other hand deburrers, see Group 83.

Tool material: HSS

Number of cutting edges Z: 3

smallest countersink Ø for holes from: 3.5 mm

Overall length: 143 mm

Length of handle: 110 mm

**Technical description**

smallest countersink Ø for holes from	3.5 mm
External Ø	20.5 mm
Overall length	143 mm
Length of handle	110 mm
Number of cutting edges Z	3
Countersink tip angle	90 °
Tool material	HSS

Colour ring	without
Type of product	Stepped drill and countersink

### User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable		
Aluminium (short chipping)	suitable		
Alu > 10% Si	suitable		
Steel < 500 N/mm <sup>2</sup>	suitable		
Steel < 750 N/mm <sup>2</sup>	suitable		
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions		
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions		
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions		
GG(G)	suitable only under restricted conditions		
CuZn	suitable		
Uni	suitable		
dry	suitable		