

**Garant**
**High-precision countersink, long 90°, uncoated, External Ø Dc: 20,5 mm**

**Order data**

Order number	150371 20,5
GTIN	4045197086143
Item class	11M

**Description**
**Version:**

**All countersinks have 3 cutting edges**, radially relief ground. Flutes ground from solid. High-precision countersink, produced to tight manufacturing tolerances similar to DIN 335-C **with long plain shank.**

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 3.5 mm

Overall length L: 114 mm

Shank Ø D<sub>s</sub>: 10 mm

for countersunk screws DIN 7991: M10

Feed f in steel < 500 N/mm<sup>2</sup>: 0.16 mm/rev.

**Technical description**

External Ø	20.5 mm
for countersunk screws DIN 7991	M10
Pre-drill Ø	3.5 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.16 mm/rev.
Shank tolerance	h9
smallest countersink Ø for holes from	3.5 mm
Shank Ø D <sub>s</sub>	10 mm
Overall length L	114 mm

Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	90 degrees
Tool material	HSS
Standard	Manufacturer's standard
Shank	Plain shank with h9
Through-coolant	no
Colour ring	without
Type of product	Stepped drill and countersink