

Garant
Countersink HSS 120°, uncoated, External Ø DC: 20mm

Order data

Order number	150020 20
GTIN	4045197301307
Item class	11M

Description
Version:

Flutes ground from solid. Also suitable for steels < 900 N/mm².
Flutes ground from solid.

Technical description

External Ø	20 mm
Shank tolerance	h9
smallest countersink Ø for holes from	3.5 mm
Feed f in steel < 500 N/mm ²	0.16 mm/rev.
Shank Ø D _s	10 mm
Overall length L	59 mm
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	120 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

User data

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