

Garant**Countersink solid carbide 60°, uncoated, External Ø Dc: 20mm****Order data**

Order number	150855 20
GTIN	4045197087379
Item class	11M

Description**Version:**

Very **sturdy design, special geometry** for **heavy-duty use**, with **chatter-free countersinking and deburring**.

Tool material:

Size 8 – of solid carbide.

Size. 10 – 25 – solid carbide head with brazed shank. Design similar to DIN 344-C.

Technical description

Feed f in stainless steel < 900 N/mm ²	0.16 mm/rev.
Shank tolerance	h9
smallest countersink Ø for holes from	5 mm
External Ø	20 mm
Shank Ø D _s	10 mm
Overall length L	67 mm
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	60 degrees
Tool material	Solid carbide
Standard	Manufacturer's standard

Shank	Plain shank with h9
Through-coolant	no
Colour ring	blue
Type of product	Stepped drill and countersink

User data

	Suitability	V_c	ISO code
Steel < 500 N/mm ²	suitable only under restricted conditions	65 m/min	P
Steel < 750 N/mm ²	suitable	60 m/min	P
Steel < 900 N/mm ²	suitable	30 m/min	P
Steel < 1100 N/mm ²	suitable	18 m/min	P
Steel < 1400 N/mm ²	suitable	8 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	8 m/min	H
INOX < 900 N/mm ²	suitable	16 m/min	M
INOX > 900 N/mm ²	suitable	10 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	16 m/min	S
GG(G)	suitable only under restricted conditions	25 m/min	K
wet maximum	suitable		