Garant

High-precision countersink with unequal spacing and 3 drive flats 90°, AlTiCN, External \varnothing Dc: 31mm



Order data

Order number	150393 31
GTIN	4062406277253
Item class	11M

Description

Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

High-precision countersink, produced with tight manufacturing tolerances similar to DIN 335-C. Special geometry with **unequal spacing** and matching cutting edge preparation.

Newly developed AlTiCN coating especially for stainless steels.

Three **drive flats on the shank** for use in a 3-jaw chuck.

Application:

High-precision countersinks for chatter-free production of **precise**, **round 90° countersunk** surfaces.

Technical description

for countersunk screws DIN 7991	M16	
Number of cutting edges Z	3	
Shank tolerance	h9	
Overall length L	71 mm	
Shank Ø D _s 12 mm		
smallest countersink Ø for holes from	4.2 mm	
Feed f in stainless steel < 900 N/mm ²	el < 900 N/mm ² 0.24 mm/rev.	

31 mm		
Alticn		
90 degrees		
HSS E		
unequal spacing		
DIN 335 C		
Shank with h9 and three drive flats		
no		
blue		
Stepped drill and countersink		

User data

	Suitability	Vc	ISO code
Alu plastics	suitable only under restricted conditions	53 m/min	Ν
Aluminium (short chipping)	suitable only under restricted conditions	40 m/min	Ν
Alu > 10% Si	suitable only under restricted conditions	35 m/min	Ν
Steel < 500 N/mm ²	suitable	55 m/min	Р
Steel < 750 N/mm ²	suitable	30 m/min	Р
Steel < 900 N/mm ²	suitable	25 m/min	Р
Steel < 1100 N/mm ²	suitable	15 m/min	Р
Steel < 1400 N/mm ²	suitable	12 m/min	Р
INOX < 900 N/mm ²	suitable	18 m/min	М
INOX > 900 N/mm ²	suitable	13 m/min	М
Ti > 850 N/mm²	suitable	13 m/min	S
GG(G)	suitable only under restricted conditions	30 m/min	К

CuZn	suitable only under restricted conditions	42 m/min	Ν
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		