

High-precision countersink, long 90°, uncoated, External Ø Dc: 31mm



Order data

Order number	150371 31		
GTIN	4045197710765		
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.

Technical description

Shank tolerance	h9		
Pre-drill Ø	4.2 mm		
External Ø	31 mm		
Feed f in steel < 500 N/mm ²	0.2 mm/rev.		
smallest countersink Ø for holes from	4.2 mm		
for countersunk screws DIN 7991	M16		
Shank Ø D _s	12 mm		
Overall length L	140 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		

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	33 m/min	N
Alu > 10% Si	suitable only under restricted conditions	20 m/min	N
Steel < 500 N/mm ²	suitable	28 m/min	Р
Steel < 750 N/mm ²	suitable	27 m/min	Р
Steel < 900 N/mm ²	suitable only under restricted conditions	27 m/min	Р
wet maximum	suitable		
dry	suitable only under restricted conditions		