

High-precision countersink 90°, TiAIN, External Ø Dc: 19mm



Order data

Order number	150170 19		
GTIN	4045197301352		
Item class	11M		

Description

Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

Precision countersink for considerable performance improvement.

Application:

High precision countersinks for chatter-free countersinking.

Technical description

Shank tolerance	h9		
for countersunk screws ISO 2009, 2010, 7046, 7047	M10		
External Ø	19 mm		
Feed f in steel < 500 N/mm ²	0.14 mm/rev.		
smallest countersink Ø for holes from	3.5 mm		
Shank Ø D _s	10 mm		
Overall length L	63 mm		
Number of cutting edges Z	3		
Coating	TiAlN		
Countersink tip angle	90 degrees		
Tool material	HSS		

Standard	DIN 335 C		
Shank	Plain shank with h9		
Through-coolant	no		
Colour ring	green		
Type of product	Stepped drill and countersink		

User data

	Suitability	V _c	ISO code
Alu > 10% Si	suitable only under restricted conditions	25 m/min	N
Steel < 500 N/mm ²	suitable	34 m/min	Р
Steel < 750 N/mm ²	suitable	32 m/min	Р
Steel < 900 N/mm ²	suitable	32 m/min	Р
INOX < 900 N/mm ²	suitable	9 m/min	М
INOX > 900 N/mm ²	suitable only under restricted conditions	8 m/min	М
CuZn	suitable only under restricted conditions	80 m/min	N
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		