

High-precision countersink with unequal spacing 60°, TiAlN, External \varnothing Dc: 16mm



Order data

Order number	150815 16
GTIN	4045197868091
Item class	11M

Description

Version:

High-precision 60° countersink with unequal spacing.

Special geometry with extremely unequal spacing and matching cutting edge preparation. Radially relief ground. Flutes ground from solid. Newly developed **special TiAIN coating** for long service life.

Advantage:

Very smooth cutting throughout the entire countersinking operation. Chatter-free running for perfect results and **optimum tool service life.**

Application:

High-precision countersinks for production of exactly round 60° countersunk surfaces.

Technical description

External Ø	16 mm	
smallest countersink Ø for holes from	4 mm	
Shank Ø D _s	10 mm	
Overall length L	63 mm	
Number of cutting edges Z	3	
Feed f in steel < 500 N/mm ²	0.18 mm/rev.	
ating TiAIN		
Countersink tip angle	60 degrees	

Tool material	HSS	
Spacing of the countersink cutting edges	unequal spacing	
Standard	DIN 334	
Shank	Parallel shank to h9	
Through-coolant	no	
Colour ring	green	
Type of product	Stepped drill and countersink	

User data

	Suitability	\mathbf{V}_{c}	ISO code
Alu plastics	suitable	75 m/min	N
Aluminium (short chipping)	suitable	75 m/min	N
Alu > 10% Si	suitable	50 m/min	N
Steel < 500 N/mm ²	suitable	65 m/min	Р
Steel < 750 N/mm ²	suitable	50 m/min	Р
Steel < 900 N/mm ²	suitable	30 m/min	Р
Steel < 1100 N/mm ²	suitable	18 m/min	Р
Steel < 1400 N/mm ²	suitable	8 m/min	Р
Steel < 55 HRC	suitable only under restricted conditions	8 m/min	Н
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	12 m/min	S
GG(G)	suitable	25 m/min	K
CuZn	suitable	60 m/min	N
Graphite, GRP, CRP	suitable only under restricted conditions		
Uni	suitable		

wet maximum	suitable
dry	suitable only under restricted conditions