

Countersink solid carbide 90°, uncoated, External Ø Dc: 16,5mm



Order data

Order number	150382 16,5		
GTIN	4045197086532		
Item class	11M		

Description

Version:

Similar to DIN 335-C. All countersinks have 3 cutting edges, radially relieved. For chatter-free countersinking and deburring. \varnothing 6 and 8 as solid carbide version, from \varnothing 10 solid carbide head with brazed shank.

Technical description

Pre-drill Ø	3.2 mm		
Shank tolerance	h9		
Feed f in stainless steel < 900 N/mm ²	0.14 mm/rev.		
External Ø	16.5 mm		
smallest countersink Ø for holes from	3.2 mm		
for countersinking to DIN 74 BF	M8		
Shank Ø D₅	10 mm		
Overall length L	60 mm		
Number of cutting edges Z	3		
Coating	uncoated		
Countersink tip angle	90 degrees		
Tool material	Solid carbide		
Standard	DIN 335 C		



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

User data

	Suitability	\mathbf{V}_{c}	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	75 m/min	N
Alu > 10% Si	suitable	50 m/min	N
Steel < 500 N/mm ²	suitable only under restricted conditions	65 m/min	Р
Steel < 750 N/mm²	suitable	60 m/min	Р
Steel < 900 N/mm ²	suitable	30 m/min	Р
Steel < 1100 N/mm²	suitable	18 m/min	Р
Steel < 1400 N/mm ²	suitable only under restricted conditions	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	16 m/min	S
GG(G)	suitable only under restricted conditions	25 m/min	K
Graphite, GRP, CRP	suitable only under restricted conditions		
wet maximum	suitable		