

Garant**Countersink, HB740, Ø D: 16,5mm****Order data**

Order number	210410 16,5
GTIN	4045197804273
Item class	21M

Technical description

smallest countersink Ø for holes from	3.2 mm
Counterbore Ø	16.5 mm
for DIN cylinder head screws	M8
Head length l	22 mm
Number of cutting edges Z	3
Feed f in steel < 900 N/mm ²	0.08 mm
Cutter length	10 mm
Shank Ø	9.2 mm
Series	TopCut
Arbor size	12 mm
Coating	TiAlN
Grade	HB740
Tool material	Solid carbide
Countersink tip angle	90
Standard	Manufacturer's standard

Spacing of the countersink cutting edges	unequal spacing
Through-coolant	no
Shank	GARANT TopCut
Type of product	Cutter insert for countersinking

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	80 m/min	N
Aluminium (short chipping)	suitable	80 m/min	N
Alu > 10% Si	suitable	60 m/min	N
Steel < 500 N/mm ²	suitable	65 m/min	P
Steel < 750 N/mm ²	suitable	60 m/min	P
Steel < 900 N/mm ²	suitable	50 m/min	P
Steel < 1100 N/mm ²	suitable	40 m/min	P
Steel < 1400 N/mm ²	suitable	10 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	12 m/min	H
INOX < 900 N/mm ²	suitable	25 m/min	M
INOX > 900 N/mm ²	suitable	20 m/min	M
Ti > 850 N/mm ²	suitable	15 m/min	S
GG(G)	suitable	35 m/min	K
CuZn	suitable	70 m/min	N
wet maximum	suitable		
wet minimum	suitable		
Air	suitable only under restricted conditions		