Garant

Stub subland drill HSS 90°, TiAIN, for screws: M8



Order data

Order number	117140 M8	
GTIN	4045197035998	
Item class	11C	

Description

Version:

Very sturdy. Tight concentricity tolerances between drill \varnothing and counterbore \varnothing guarantee exact alignment.

Application:

Particularly suitable for NC machines due to high positional accuracy, excellent centring properties and great sturdiness. The preceding centring operation can thus often be omitted. For through holes for screws to DIN-ISO 273 and countersinks to DIN 74, sheet 1 form A, fine version.

For screws to ISO 2009, 2010, 7046, 7047 (DIN 963, 964, 965 and 966).

Number of cutting edges Z: 2 \emptyset D₁ 1st step with chamfer h8: 8.4 mm

 \emptyset D₂ 2nd step with chamfer h8: 15 mm

Step height L_1 1st step: 19 mm

Flute length L_c: 56 mm

Overall length L: 111 mm

Shank Ø D.: 15 mm

Technical description

Number of cutting edges Z	2
Feed f in steel < 750 N/mm²0.1 mm/rev	
Ø D ₂ 2nd step with chamfer h8	15 mm
\emptyset D ₁ 1st step with chamfer h8	8.4 mm
for screws	M8

Flute length L _c	56 mm		
Shank Ø D _s	15 mm		
Overall length L	111 mm		
Step height L ₁ 1st step	19 mm		
Coating	TiAIN		
Tool material	HSS		
Standard	DIN 1897		
Tolerance nominal Ø	h8		
Point angle	118 °		
Shank	Parallel shank to h8		
Countersink angle	90 °		
Through-coolant	no		
Shank tolerance	h8		
Colour ring	without		
Type of product	Stepped drill		

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	56 m/min	Ν
Alu > 10% Si	suitable only under restricted conditions	50 m/min	Ν
Steel < 500 N/mm ²	suitable	50 m/min	Р
Steel < 750 N/mm ²	suitable	37 m/min	Р
Steel < 900 N/mm ²	suitable	31 m/min	Р
Steel < 1100 N/mm ²	suitable only under restricted conditions	12 m/min	Р
Steel < 1400 N/mm²	suitable only under restricted conditions	10 m/min	Р
GG(G)	suitable	31 m/min	К

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CuZn	suitable only under restricted conditions	80 m/min	Ν
Oil	suitable		
wet maximum	suitable		