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 | | |