

Garant
Carbide machine reamer H7, uncoated, Nominal \varnothing DC: 11mm

Order data

| | |
|--------------|---------------|
| Order number | 164500 11 |
| GTIN | 4045197252098 |
| Item class | 110 |

Description
Version:

Long flutes, left-hand helix.

Extremely irregular spacing (EU) from size 2.

This ensures that the reamed bore is absolutely round and free from chatter marks.

Application:

On stable, low vibration machines. Longer tool life and better dimensional accuracy than HSS reamers.

Tool material:

Sizes 1 – 13 **solid carbide**.

Sizes 14 – 16 with **carbide inserts**, supported by hard nitrided steel guidel chamfers.

Technical description

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| Nominal \varnothing D _c | 11 mm |
| Overhang L ₁ | 95 mm |
| Shank tolerance | h9 |
| Feed f in steel < 1100 N/mm ² | 0.15 mm/rev. |
| Shank \varnothing D _s | 10 mm |
| Overall length L | 142 mm |
| Flute length L _c | 41 mm |
| Number of cutting edges Z | 6 |
| Tolerance | H7 |
| Reaming oversize in diameter | 0.1 - 0.2 mm |

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|----------------------------------|----------------------|
| Coating | uncoated |
| Tool material | Carbide K10 |
| Standard | DIN 8093 |
| Through-coolant | no |
| Shank | Parallel shank to h6 |
| Application for type of drilling | for through holes |
| Colour ring | without |
| Type of product | Phillips bit |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium | suitable | 35 m/min | N |
| Aluminium (short chipping) | suitable | 30 m/min | N |
| Steel < 500 N/mm ² | suitable | 20 m/min | P |
| Steel < 750 N/mm ² | suitable | 13 m/min | P |
| Steel < 900 N/mm ² | suitable | 10 m/min | P |
| Steel < 1100 N/mm ² | suitable | 8 m/min | P |
| Steel < 1400 N/mm ² | suitable | 6 m/min | P |
| INOX < 900 N/mm ² | suitable only under restricted conditions | 10 m/min | M |
| CuZn | suitable | 20 m/min | N |
| Oil | suitable | | |
| wet maximum | suitable | | |