



Machine reamer configurable, uncoated, Nominal Ø DC: 7,5mm



Order data

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|--------------|---------------|
| Order number | 164180 7,5 |
| GTIN | 4045197092229 |
| Item class | 120 |

Description

Version:

Reamers finish ground to match your specification.

Even number of teeth with irregular spacing. The hole is accurately round and free of chatter marks. The cylindrical ground land on the plain cutting section smooths the hole and guides the reamer. With Morse taper shank.

Application:

For reaming through holes, as the chips are evacuated in the cutting direction. Also suitable for blind holes due to the short chamfer lead.

Note:

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

For **H7 fits** see No. 164000.

Technical description

| | |
|--|---------------|
| Overhang L_1 | 88 mm |
| Feed f in steel $< 750 \text{ N/mm}^2$ | 0.1 mm/rev. |
| Nominal Ø D_c | 7.5 mm |
| Morse taper MT size | 1 |
| Overall length L | 156 mm |
| Flute length L_c | 33 mm |
| Ø range | 7.06 - 7.5 mm |
| Number of cutting edges Z | 6 |
| Reaming oversize in diameter | 0.1 - 0.2 mm |

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|----------------------------------|------------------|
| Coating | uncoated |
| Tool material | HSS E |
| Standard | DIN 208 B |
| Helix angle | 7-8 degrees |
| Through-coolant | no |
| Shank | Morse taper |
| Application for type of drilling | for through hole |
| Colour ring | without |
| Type of product | Phillips bit |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium | suitable | 20 m/min | N |
| Aluminium (short chipping) | suitable | 20 m/min | N |
| Steel < 500 N/mm ² | suitable | 15 m/min | P |
| Steel < 750 N/mm ² | suitable | 10 m/min | P |
| Steel < 900 N/mm ² | suitable | 7 m/min | P |
| Steel < 1100 N/mm ² | suitable | 5 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 4 m/min | P |
| INOX < 900 N/mm ² | suitable | 5 m/min | M |
| INOX > 900 N/mm ² | suitable only under restricted conditions | 5 m/min | M |
| Ti > 850 N/mm ² | suitable only under restricted conditions | 5 m/min | S |
| GG(G) | suitable only under restricted conditions | 5 m/min | K |
| Cu | suitable only under restricted conditions | 13 m/min | N |
| Oil | suitable | | |

wet maximum

suitable