

Garant

GARANT Master Alu solid carbide high-performance reamer HPC blind hole, DLC, Nominal Ø DC: 11mm



Order data

| | |
|--------------|---------------|
| Order number | 164405 11 |
| GTIN | 4062406284015 |
| Item class | 10P |

Description

Version:

Special HPC reamers of the latest generation, **for machining aluminium**, with improved tooth geometry and further developed carbide substrate. Extra-short teeth for increased cutting performance values. Optimised cooling strategy with radially arranged coolant outlets aligned directly to the teeth. **Version suitable for NC** with straight shank Ø for standard arbors especially in **hydraulic chucks** or **high precision collet chucks**. Very high concentricity and process reliability due to unequal spacing of the teeth and special profile of the round chamfer width.

Version with DLC sp² coating.

Tolerance specifications:

Configurable: Reamers finish ground to match your specification.

H7: Version to DIN1420 for H7 bore tolerance.

Application:

Special version for blind holes.

Technical description

| | |
|-----------------------------|------------------|
| Overall length L | 120 mm |
| Series | Master Alu |
| Ø range | 10.701 - 11.2 mm |
| Flute length L _c | 12 mm |
| Number of cutting edges Z | 6 |
| Feed f in cast alu | 1.8 mm/rev. |

| | |
|----------------------------------|-------------------------|
| Nominal $\varnothing D_c$ | 11 mm |
| Overhang L_1 | 75 mm |
| Tolerance | configurable |
| Shank $\varnothing D_s$ | 12 mm |
| Reaming oversize in diameter | 0.2 mm |
| Coating | DLC |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Type | W |
| Through-coolant | yes, with 25 bar |
| Shank | DIN 6535 HA with h6 |
| Machining strategy | HPC |
| Application for type of drilling | for blind holes |
| Colour ring | yellow |
| Type of product | Phillips bit |

User data

| | Suitability | V_c | ISO code |
|----------------------------|-------------|-----------|----------|
| Aluminium | suitable | 250 m/min | N |
| Aluminium (short chipping) | suitable | 250 m/min | N |
| Alu > 10% Si | suitable | 250 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable | | |