

Garant
HSS high-performance reamer HPC through hole, TiAlN, Nominal Ø DC: 12mm

Order data

| | |
|--------------|---------------|
| Order number | 164358 12 |
| GTIN | 4045197769480 |
| Item class | 10N |

Description
Version:

Version suitable for NC with straight shank Ø for the standardised toolholder, specially in **hydraulic chucks** or **high-accuracy chucks**.

This ensures **very high concentricity** and **process reliability**.

It is no longer necessary to procure special arbors.

With internal coolant feed for **HPC use** to reduce production costs.

With short, straight flutes.

Tolerance specifications:

Configurable:Reamers finish ground to match your specification.

H7: Version to DIN1420 for H7 bore tolerance.

Application:

For **HPC/HSC reaming** of **through holes**.

Technical description

| | |
|---|-----------------|
| Overhang L_1 | 70 mm |
| Feed f in steel $< 1100 \text{ N/mm}^2$ | 0.18 mm/rev. |
| Number of cutting edges Z | 6 |
| Ø range | 11.71 - 12.2 mm |
| Overall length L | 120 mm |
| Shank Ø D_s | 12 mm |
| Nominal Ø D_c | 12 mm |
| Flute length L_c | 20 mm |

| | |
|----------------------------------|-------------------------|
| Tolerance | Configurable |
| Reaming oversize in diameter | 0.1 - 0.15 mm |
| Coating | TiAlN |
| Tool material | HSS |
| Standard | Manufacturer's standard |
| Through-coolant | yes, with 25 bar |
| Shank | DIN 6535 HA with h6 |
| Machining strategy | HPC |
| Application for type of drilling | for through holes |
| Colour ring | green |
| Type of product | Phillips bit |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Steel < 750 N/mm ² | suitable | 45 m/min | P |
| Steel < 900 N/mm ² | suitable | 45 m/min | P |
| Steel < 1100 N/mm ² | suitable | 35 m/min | P |
| Steel < 1400 N/mm ² | suitable | 35 m/min | P |
| GG | suitable | 40 m/min | K |
| GGG | suitable | 30 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |
| wet minimum | suitable only under restricted conditions | | |