

Garant
Solid carbide reamers HPC blind hole, TiAlN, Nominal Ø DC: 4,97mm

Order data

| | |
|--------------|---------------|
| Order number | 164392 4,97 |
| GTIN | 4045197363459 |
| Item class | 10N |

Description
Version:

Version suitable for NC with straight shank Ø for standard arbors especially in **hydraulic chucks** or **high precision collet chucks**. For **highest concentricity** and **process reliability**. No need to procure special collets. With internal coolant supply for **HPC applications** to reduce manufacturing costs.

Reamer manufacturing tolerances:

whole number sizes and Ø 0.5: H7 to DIN 1420

1/100 sizes Ø 3.97 – 12.03: +0.004/0

With short, straight flutes.

Application:

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

Note:

NEW GENERATION AVAILABLE!

Recommended successor product is No. 164425.

Application for type of drilling: for blind holes

Bore Ø tolerance: 0 / 0.004

Number of cutting edges Z: 4

Bore Ø tolerance: 0 / 0.004

Flute length L_c : 12 mm

Overhang L_1 : 35 mm

Overall length L: 75 mm

Number of cutting edges Z: 4

Shank Ø D_s : 6 mm

Technical description

| | |
|----------------|-------|
| Overhang L_1 | 35 mm |
|----------------|-------|

| | |
|---|-------------------------|
| Feed f in steel < 1100 N/mm ² | 0.4 mm/rev. |
| Shank tolerance | h6 |
| Nominal Ø D _c | 4.97 mm |
| Shank Ø D _s | 6 mm |
| Overall length L | 75 mm |
| Flute length L _c | 12 mm |
| Number of cutting edges Z | 4 |
| recommended drill Ø in steel < 1100 N/mm ² | 4.9 mm |
| Bore Ø tolerance | 0 / 0.004 |
| Coating | TiAlN |
| Tool material | Solid carbide |
| Standard | Manufacturer's standard |
| Through-coolant | yes |
| Shank | DIN 6535 HA with h6 |
| Machining strategy | HPC |
| Application for type of drilling | for blind holes |
| Colour ring | green |
| Type of product | Phillips bit |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|-------------|----------------|----------|
| Steel < 750 N/mm ² | suitable | 150 m/min | P |
| Steel < 900 N/mm ² | suitable | 120 m/min | P |
| Steel < 1100 N/mm ² | suitable | 120 m/min | P |
| GG | suitable | 80 m/min | K |
| GGG | suitable | 60 m/min | K |
| Uni | suitable | | |
| wet maximum | suitable | | |
| wet minimum | suitable | | |

