

**Garant**
**Solid carbide reamer HPC through hole, TiAlN, Nominal  $\varnothing$  DC: 4,5mm**

**Order data**

Order number	164348 4,5
GTIN	4045197366405
Item class	10N

**Description**
**IMPORTANT: item is configurable**

Nominal  $\varnothing$  D<sub>c</sub>: 4.5 mm

$\varnothing$  range: 4.21 - 4.7 mm, Intervall: 0,001

**Version:**

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

**Reamers finish ground to match your specifications.**

With short, straight flutes.

**Application:**

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

**Note:**
**NEW GENERATION AVAILABLE!**
**Recommended successor product is No. 164420.**

Application for type of drilling: for through holes

Number of cutting edges Z: 4

$\varnothing$  range: 4.21 - 4.7 mm

Flute length L<sub>c</sub>: 12 mm

Overhang L<sub>1</sub>: 34 mm

Overall length L: 75 mm

Number of cutting edges Z: 4

Shank  $\varnothing$  D<sub>s</sub>: 6 mm

**Technical description**

Overhang L <sub>1</sub>	34 mm
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Nominal $\varnothing D_c$	4.5 mm
Feed $f$ in steel < 60 HRC	0.05 mm/rev.
Shank tolerance	h6
Shank $\varnothing D_s$	6 mm
Overall length $L$	75 mm
Flute length $L_c$	12 mm
$\varnothing$ range	4.21 - 4.7 mm
Number of cutting edges $Z$	4
Coating	TiAlN
Tool material	Solid carbide
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	red
Type of product	Phillips bit

## User data

	Suitability	$V_c$	ISO code
Steel < 55 HRC	suitable	12 m/min	H
Steel < 60 HRC	suitable only under restricted conditions	8 m/min	H
Steel < 65 HRC	Suitable only under restricted conditions	6 m/min	H
Oil	suitable		
wet maximum	suitable		