

## Garant

### Solid carbide drill-reamer with plain shank DIN 6535 HA, TiAlN, Ø DC: 12,72 mm



#### Order data

Order number	122795 12,72
GTIN	4062406102913
Item class	11P

#### Description

##### Version:

**Drilling and reaming in a single operation.** Very high concentricity. With **4 reaming cutting edges** for optimum dimensional accuracy and surface quality as good as reaming.

##### Recommendation:

##### Maximum drilling depth:

flute length (see table) less 1.5×nominal Ø.

##### Note:

Flute length  $L_c = L_2 + 1.5 \times D_c$ .

Form HB and HE supplied at the same price as HA.

Form **HB**: order with **No. 122795 + 129100HB**.

Form **HE**: order with **No. 122795 + 129100HE**.

Through-coolant: yes, with 25 bar

Bore Ø tolerance: ±0.003

Standard: Manufacturer's standard

Number of cutting edges Z: 2

Bore Ø tolerance: ±0.003

recommended maximum drilling depth  $L_2$ : 58 mm

Overall length L: 124 mm

Shank Ø  $D_s$ : 14 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.32 mm/rev.

#### Technical description

Shank tolerance	h6
recommended maximum drilling depth $L_2$	58 mm

Flute length $L_c$	77 mm
Standard	Manufacturer's standard
Overall length $L$	124 mm
Feed $f$ in steel $< 900 \text{ N/mm}^2$	0.32 mm/rev.
Nominal $\varnothing D_c$	12.72 mm
Number of cutting edges $Z$	2
Shank $\varnothing D_s$	14 mm
Bore $\varnothing$ tolerance	$\pm 0.003$
Coating	TiAlN
Tool material	Solid carbide
Drill depth up to	$5 \times D$
Point angle	$140^\circ$
Shank	DIN 6535 HA to h6
Through-coolant	yes, with 25 bar
Colour ring	without
Type of product	Jobber drill

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable	80 m/min	N
Alu $> 10\% \text{ Si}$	suitable	80 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	65 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	60 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	55 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	35 m/min	P
GG(G)	suitable	60 m/min	K
wet maximum	suitable		
wet minimum	suitable		

Air  
**Services** suitable

Shank grinding Type HB

129100 HB

Shank grinding Type HE

129100 HE