

**Garant**
**Carbide single-lip drill Overall length L 400 mm, AlTiN, Ø: 21-Xmm**

**Order data**

Order number	124004 21-X
GTIN	4067263515067
Item class	10D

**Description**
**Version:**

Single-edged straight flute deep-hole drill for drilling depths of up to 1000 mm as standard and up to 6000 mm on request. Universally designed circumferential shape of the drilling head enables reliable working in a wide range of materials.

**Note:**

For the reliable use of deep hole drills, a pilot hole of at least  $4 \times D$  with pilot drill No. 122736 or No. 231605 for larger diameters, or with pilot drill No. 122606 for aluminium, is required. For deep holes  $> 50 \times D$ , the tool must be supported with a rest at intervals of  $50 \times D$ . The specified  $L/D$  ratio gives the minimum achievable depth of hole with the respective deep-hole drill. Flute length  $L_c = L_2 + 1.5 \times D_c$ . A coolant pressure of  $> 40$  bar is recommended.

**Technical description**

Standard	Works standard
Number of cutting edges Z	1
Shank $\varnothing D_s$	32 mm
Nominal $\varnothing D_c$	21 mm
Overall length L	400 mm
recommended maximum drilling depth $L_2$	297 mm
$\varnothing$ range	21 - 21.99 mm
Coating	AlTiN
Tool material	Carbide
Point angle	125 degrees

Shank	DIN 6535 HB
Through-coolant	yes, with min. 40 bar
Pilot drill required	yes, pilot drill
Semi-Standard	yes

### User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	250 m/min	N
Aluminium (short chipping)	suitable	200 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	90 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	80 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	70 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	50 m/min	P
GG	suitable	80 m/min	K
Oil	suitable		
wet maximum	suitable		