

**Garant**
**Solid carbide centre drills A, TiAlN, Ø DC k13: 3,15mm**

**Order data**

Order number	121001 3,15
GTIN	4045197596529
Item class	11E

**Description**
**Version:**

Ground from solid carbide bar. Spiral fluted.  
For materials up to **62 HRC**.

**Technical description**

for workpiece Ø	30 – 40 mm
Number of cutting edges Z	2
Nominal Ø D <sub>c</sub>	3.15 mm
Shank tolerance	h6
Feed f in steel < 1100 N/mm <sup>2</sup>	0.08 mm/rev.
Shank Ø D <sub>s</sub>	8 mm
Overall length L	50 mm
Coating	TiAlN
Tool material	Solid carbide
Standard	DIN 333
Type	A
Tolerance nominal Ø	k13
Countersink angle	60 degrees
Cutting direction	right-hand

Shank	Parallel shank to h6
Through-coolant	no
Colour ring	without
Type of product	Centre drill

### User data

	Suitability	$V_c$	ISO code
Steel < 1100 N/mm <sup>2</sup>	suitable	60 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	40 m/min	P
Steel < 55 HRC	suitable	20 m/min	H
Steel < 60 HRC	suitable	15 m/min	H
Steel < 67 HRC	suitable only under restricted conditions	10 m/min	H
Oil	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		