

**Garant**
**Circular saw blade, TiAlN, Ø×thickness: 100X2mm**

**Order data**

Order number	179912 100X2
GTIN	4045197938022
Item class	17C

**Description**
**Version:**

**Optimised geometry and coating. Extra deep relief ground** for reliable chip evacuation. For flat base of the slot.

**Note:**

- **Tooth profile BW.**
- **The tolerances for the circular saw blade diameter are considerably better than the values permissible to DIN 1837/1838, in some cases by up to 50%.**

**Technical description**

Hub Ø	32 mm
Ø	100 mm
Collar thickness E	2.5 mm
Bore Ø	16 mm
Feed $f_z$ in short-chipping aluminium	0.02 mm
Thickness	2 mm

maximum cutting depth $a_{e,max}$	32 mm
No. of teeth Z	34
suitable adapter	179907 63; 80; 100
Number of drive holes	4
Drive hole $\varnothing$	4.4 mm
Drive hole pitch circle	25.5 mm
Coating	TiAlN
Tool material	HSS
Through-coolant	no
Type of product	Circular saw blade

## User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	400 m/min	N
Aluminium (short chipping)	suitable	600 m/min	N
Alu > 10% Si	suitable	300 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable only under restricted conditions	50 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable only under restricted conditions	40 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	20 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	M
CuZn	suitable only under restricted conditions	300 m/min	N
Uni	suitable only under restricted conditions		
wet maximum	suitable		

Air

suitable only under  
restricted conditions