

Garant**Circular saw blade, TiAlN, Ø×thickness: 50X1mm****Order data**

Order number	179915 50X1
GTIN	4045197887023
Item class	17C

Description**Version:**

GARANT solid carbide circular saw blade with extra narrow cutting width in order to minimise the loss of material. The cutting speed can be **increased by a factor of 3 to 4** compared to HSS saw blades. Reinforced collar for a significant increase in the stability of the saw blade. For flat base of the slot.

Note:

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%. Tooth profile BW.

Technical description

Thickness	1 mm
Bore Ø	8 mm
Ø	50 mm
Collar thickness E	2.4 mm
Hub Ø	24 mm

Feed f_z in steel $< 900 \text{ N/mm}^2$	0.015 mm
maximum cutting depth $a_{e \text{ max}}$	11 mm
No. of teeth Z	32
suitable adapter	179907 40; 50
Drive hole pitch circle	17.5 mm
Number of drive holes	3
Drive hole \varnothing	4.4 mm
Coating	TiAlN
Tool material	Solid carbide
Through-coolant	no
Type of product	Circular saw blade

User data

	Suitability	V_c	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	800 m/min	N
Alu $> 10\% \text{ Si}$	suitable only under restricted conditions	400 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	180 m/min	P
Steel $< 750 \text{ N/mm}^2$	suitable	130 m/min	P
Steel $< 900 \text{ N/mm}^2$	suitable	120 m/min	P
Steel $< 1100 \text{ N/mm}^2$	suitable	85 m/min	P
Steel $< 1400 \text{ N/mm}^2$	suitable only under restricted conditions	35 m/min	P
INOX $< 900 \text{ N/mm}^2$	suitable	90 m/min	M
INOX $> 900 \text{ N/mm}^2$	suitable only under restricted conditions	70 m/min	M
CuZn	suitable only under restricted conditions	200 m/min	N
Uni	suitable only under restricted conditions		

wet maximum	suitable
Air	suitable only under restricted conditions