

**Garant****Circular saw blade, TiAlN, Ø×thickness: 80X1,5mm****Order data**

Order number	179915 80X1,5
GTIN	4045197887054
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	1.5 mm
Bore Ø	16 mm
Ø	80 mm
Collar thickness E	2.4 mm
Hub Ø	32 mm

Feed $f_z$ in steel < 900 N/mm <sup>2</sup>	0.02 mm
maximum cutting depth $a_{e\ max}$	22 mm
No. of teeth Z	36
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	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% Si	suitable only under restricted conditions	400 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	180 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	130 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	120 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	85 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions	35 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	90 m/min	M
INOX > 900 N/mm <sup>2</sup>	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