

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

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| Order number | 179915 100X2 |
| GTIN | 4045197938084 |
| 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

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| Bore Ø | 22 mm |
| Feed f_z in steel < 900 N/mm ² | 0.025 mm |
| Ø | 100 mm |
| Thickness | 2 mm |
| Collar thickness E | 2.4 mm |

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| Hub Ø | 38 mm |
| maximum cutting depth $a_{e\ max}$ | 28 mm |
| No. of teeth Z | 42 |
| suitable adapter | 179902 125 |
| Number of drive holes | 5 |
| Drive hole pitch circle | 31.5 mm |
| Drive hole Ø | 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% Si | suitable only under restricted conditions | 400 m/min | N |
| Steel < 500 N/mm ² | suitable | 180 m/min | P |
| Steel < 750 N/mm ² | suitable | 130 m/min | P |
| Steel < 900 N/mm ² | suitable | 120 m/min | P |
| Steel < 1100 N/mm ² | suitable | 85 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 35 m/min | P |
| INOX < 900 N/mm ² | suitable | 90 m/min | M |
| INOX > 900 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 | | |

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|-------------|---|
| wet maximum | suitable |
| Air | suitable only under restricted conditions |