



**VIB STAR precision grinding wheel CBN D×T×H (mm) B126, 225×15×51,  
Coating thickness X: 3mm**



## Order data

Order number	592015 3
GTIN	9003173021392
Item class	53Y

## Description

### Version:

Surface grinding and external cylindrical grinding wheels, **highly developed**, with **super-abrasives** (CBN or diamond) in synthetic resin bonding. The high-strength, **vibration-optimised VIB STAR grinding wheel base body** permits a **high damping** for a smooth, even grinding process with high surface quality.

- **Extreme performance improvement (G-factor) compared to conventional grinding media.**
- **The vibration-damping design of the carrier body significantly increases the working life.**
- **Continuous self-sharpening effect due to even power consumption and avoidance of cyclical sharpening operations.**

CBN grit for high performance grinding of **long-chipping ferrous materials** such as hardened high-alloy chrome steels and HSS tool steels (including powder metallurgy grades) and nickel-based alloys.

### Application:

- **General use for all materials from a hardness of about 58 HRC (limit of economic use).**
- **For surface grinding and external cylindrical grinding (straight longitudinal grinding, recess grinding).**

- Can be used on all commercially available grinding machines for tool and die making and machine tool building, e.g. Jung, ABA, Blohm, Elb, Mägerle, Ziersch & Hotz, Jones & Shipman.
- Cooling with emulsion or grinding oil is necessary.
- Superabrasive CBN / diamond grinding wheels are always used with less than half the wheel width compared to that for conventional grinding wheels.

**Specification:****B126C50B-VIB-STAR HSS****Note:**

Before initial grinding, these grinding wheels can be dressed on a soft steel block at an infeed of approx. 0.02 mm. Alternatively with a dressing tool No. 599600. Sharpen grinding wheels (opening up the bonding) using sharpening stone No. 599840.

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**Technical description**

Grinding process	External cylindrical
Grinding process	Surface grinding
Grinding media	Cubic Boron Nitride
Grinding medium code	CBN
Specification	B126C50B-VIB-STAR HSS
Shape	1A1
Disc Ø D	225 mm
Disc thickness T	15 mm
Product name attribute	225×15×51
Bore Ø H	51 mm
Abrasive coating width U	15 mm
Abrasive coating height X	3 mm
Type of product	Grinding wheel

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**User data**

	Suitability	V <sub>c</sub>	ISO code
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions		

Steel < 1400 N/mm <sup>2</sup>	suitable only under restricted conditions
Steel < 55 HRC	suitable
Steel < 60 HRC	suitable
Steel < 67 HRC	suitable
INOX	suitable only under restricted conditions
GG(G)	suitable only under restricted conditions
wet maximum	suitable