TYROLIT

VIB STAR precision grinding wheel CBN D×T×H (mm) B126, 200×15×51, Coating thickness X: 3mm

Order data

Order number	592010 3
GTIN	9003173021347
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.

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 ⌀ D	200 mm
Disc thickness T	15 mm
Product name attribute	200×15×51
Bore ⌀ H	51 mm
Abrasive coating width U	15 mm
Abrasive coating height X	3 mm
Type of product	Grinding wheel

User data

	Suitability	V_c	ISO code
Steel < 900 N/mm²	suitable only under restricted conditions		

Steel < 1400 N/mm²	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