# Data Sheet

Item
# 918

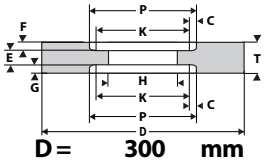
## 1. Product description:

Vitrified Grinding Wheel

| | |
|---|---|
| **Dimensions (in):** | 12" x 2" x 3" |
| **Dimensions (mm):** | 300 x 50 x 76.20 |
| **Abrasive:** | Ceramic Aluminum Oxide |
| **Specification:** | 3SB46K7VP4 |
| **Grit:** | 46 |
| **Grade:** | K |
| **Max. rpm:** | 2,050 |
| **Line:** | 3SB Blue |
| **Max. speed:** | 32 m/s |




**Type 7**




| | | |
|---|---|---|
| **D =** | **300** | **mm** |
| **T =** | **50** | **mm** |
| **H =** | **76.20** | **mm** |
| **P,P'=** | **150** | **mm** |
| **F,G =** | **10** | **mm** |
| **E =** | **30** | **mm** |

Hardened Steel | High-Speed Steel | Tool Steel

## Certification

**This wheel is certified by the Organization for the Safety of Abrasives.**

## 1. Application



**Surface Grinder**



**Tool Grinder**

- Recommended for sharpening and grinding tools made of hardened steel, high-speed steel (HSS), and H, S, M, D, T, and W series tool steels.
- Made with a high concentration of ceramic abrasive grain combined with white aluminum oxide.
- Advanced bonding technology.
- Its higher ceramic grain content provides high cutting efficiency and a high material removal rate.
- Cool cutting action.

## 2. Operating instructions

- For use with a surface grinder or tool grinder.
- Visually inspect the wheel before mounting.
- Ensure that the grinder's operating speed does not exceed the maximum RPM indicated on the wheel.
- Make sure the wheel is properly mounted and firmly seated between the machine flanges.
- Mount the wheel and run it at no load for one minute to verify that it is free from damage.
- For operations using coolant, start the wheel before turning on the coolant flow.
- At the end of the operation, turn off the coolant flow before stopping the wheel.
- Use only on properly anchored machines that are in good operating condition.

## 3. Safety information

- Always use the machine's safety guards.
- Always wear appropriate personal protective equipment (PPE), including gloves, hearing protection, a dust mask, and safety glasses.
- Do not use a wheel that has been dropped, struck, exposed to liquids, or shows any signs of damage.
- Do not use the sides of the grinding wheel for grinding.
- Improper use may result in serious injury.
- Use this product in accordance with ANSI B7.1.

## 4. Handling

- Perform the initial inspection while the wheel is still in its original packaging. If there is visible evidence of damage, the product should not be accepted.
- Handle wheels carefully to prevent impacts or drops. Do not mount a wheel if it has been dropped, cracked, chipped, or is suspected of being damaged.

## 5. Storage

- Store wheels on a flat, stable surface. Prevent impacts and drops during storage and handling.
- Do not expose wheels to:

(a) Water or other solvents.

(b) Extreme temperatures or humid conditions.

- For additional information, refer to ANSI B7.1.

## 6. Packaging units

- 1 piece.