Data Sheet

Item

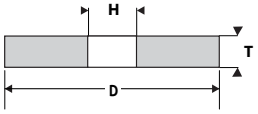
912

1. Product description:

Vitrified Grinding Wheel

Dimensions (in):	7" x 1/2" x 1-1/4"
Dimensions (mm):	180 x 13 x 31.75
Abrasive:	Ceramic Aluminum Oxide
Specification:	3SB80K7VP4
Grit:	80
Grade:	K
Max. rpm:	4,250
Line:	3SB Blue
Max. speed:	40 m/s

Type 1



D =	**180**	**mm**
T =	**13**	**mm**
H =	**31.75**	**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

- 5 pieces.