Data Sheet

Item
129

1. Product description:

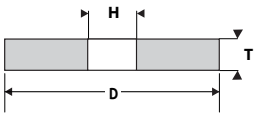
Vitrified Grinding Wheel

Dimensions (in):	8" x 1/2" x 1-1/4"
Dimensions (mm):	200 x 13 x 31.75
Abrasive:	Ceramic Aluminum Oxide
Specification:	3SB46I5VP4
Grit:	46
Grade:	I
Max. rpm:	3,850
Line:	3SB Blue
Max. speed:	40 m/s





Type 1



D =	**200**	**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.