Data Sheet

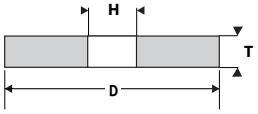
Item
1015

1. Product description:

Vitrified Grinding Wheel

Dimensions (in):	7" x 1/4" x 1-1/4"
Dimensions (mm):	180 x 6 x 31.75
Abrasive:	Ceramic Aluminum Oxide
Specification:	3SB542K1pVP1
Grit:	54
Grade:	K
Max. rpm:	4,250
Line:	3SB Blue
Max. speed:	40 m/s

Type 1



D = 180 mm
T = 6 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.