Data Sheet

Item
1003

1. Product description:

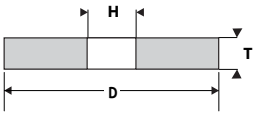
Vitrified Grinding Wheel

Dimensions (in):	8" x 1/2" x 1-1/4"
Dimensions (mm):	200 x 13 x 31.75
Abrasive:	Aluminum Oxide + Ceramic
Specification:	52A54J1pVTR
Grit:	54
Grade:	J
Max. rpm:	3,850
Line:	52 A
Max. speed:	40 m/s





Type 1



D =	**200**	**mm**
T =	**13**	**mm**
H =	**31.75**	**mm**



Tool Steel | High-Speed Steel | Hardened Stainless Steel

Certification

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

1. Application



Surface Grinder



Tool Grinder

• Designed for grinding high-speed steels (HSS), tool steels, and hardened stainless steels.
• Manufactured with a combination of ceramic abrasive grain and premium aluminum oxide.
• Higher stock removal capacity, allowing deeper cuts.
• Reduces wheel loading during operation.
• Reduces the risk of burning the workpiece, even at increased depths of cut.
• Minimizes chatter during grinding.
• Maintains wheel profile.
• Provides excellent performance and wear resistance.

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

• Never exceed the maximum operating speed indicated on the product label.
• 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.