Data Sheet

Item
1001

1. Product description:

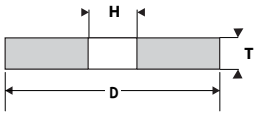
Vitrified Grinding Wheel

Dimensions (in):	7" x 1/4" x 1-1/4"
Dimensions (mm):	180 x 6 x 31.75
Abrasive:	Aluminum Oxide + Ceramic
Specification:	52A80I1pVTR
Grit:	80
Grade:	I
Max. rpm:	4,250
Line:	52 A
Max. speed:	40 m/s





Type 1



D =	**180**	**mm**
T =	**6**	**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.