# Data Sheet

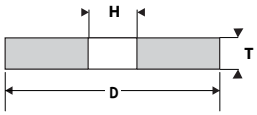
Item
# 74

## 1. Product description:

Vitrified Grinding Wheel

| | |
|---|---|
| **Dimensions (in):** | 10" x 1" x 3" |
| **Dimensions (mm):** | 250 x 25 x 76.20 |
| **Abrasive:** | Aluminum Oxide + Ceramic |
| **Specification:** | 52A541J2pVTR |
| **Grit:** | 54 |
| **Grade:** | J |
| **Max. rpm:** | 3,100 |
| **Line:** | 52 A |
| **Max. speed:** | 40 m/s |

**Type 1**




| | | |
|---|---|---|
| **D =** | **250** | **mm** |
| **T =** | **25** | **mm** |
| **H =** | **76.20** | **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

- 1 piece.