# Data Sheet

Item
# 348

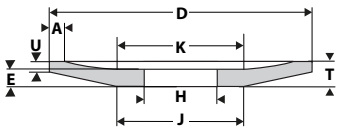
## 1. Product description:

Vitrified Grinding Wheel

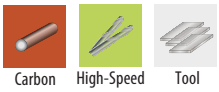
| | |
|---|---|
| **Dimensions (in):** | 6" x 1/2" x 1-1/4" |
| **Dimensions (mm):** | 150 x 13 x 31.75 |
| **Abrasive:** | Aluminum Oxide |
| **Specification:** | 89A60K5VA1 |
| **Grit:** | 60 |
| **Grade:** | K |
| **Max. rpm:** | 5,100 |
| **Line:** | 89A Orange |
| **Max. speed:** | 40 m/s |



**Type 12**




| | | |
|---|---|---|
| **D =** | **150** | **mm** |
| **T =** | **13** | **mm** |
| **H =** | **31.75** | **mm** |
| **U=** | **3** | **mm** |
| **E=** | **8** | **mm** |
| **J, K=** | **75** | **mm** |
| **A=** | **8** | **mm** |




## Certification

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

## 1. Application







- Recommended for sharpening cutting tools made of carbon steel, high-speed steel (HSS), and tool steel.
- VA1 bond (orange) provides excellent wheel profile retention.
- Suitable for sharpening cutters, milling cutters, drill bits, and other steel tools.

## 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.
- 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.