

# Data Sheet

Item  
**311**



## 1. Product description:

Diamond wheel for cutting and profiling

**Dimensions (in):** 6" x 0.040" x 1-1/4"

**Dimensions (mm):** 150 x 1 x 31.75

**Specification:** D100R100B

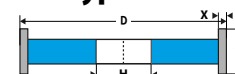
**Max. rpm:** 6,200

**Line:** Chip-cut®

**Max. speed:** 50 m/s



## Type 1A1R



**D = 150 mm**

**T = 0.8 mm**

**H = 31.75 mm**

**X = 4 mm**



Carbide

| Abrasive | Grit Size  | Hardness   | Concentration | Body | Bond      | Internal Code | Identifier | Quality        |
|----------|------------|------------|---------------|------|-----------|---------------|------------|----------------|
| Diamond  | 100 = Fine | R = Medium | 100 = Medium  |      | B = Resin |               |            | I = Industrial |



## 1. Application

- For cutting, sharpening, and grooving tungsten carbide tools.
- Designed for high-consumption users seeking greater performance.
- Ideal for those looking for a good price-performance ratio.



CNC Machine

- Never exceed the maximum operating speed indicated on the label.
- If used on a machine or station without a containment enclosure, always use a safety guard.
- Always wear full personal protective equipment (gloves, hearing protection, respirator, and safety goggles).
- Improper use may cause serious injury.
- For more detailed information, refer to ANSI B7.1 and the FEPA Safety Code.

## 2. Operating instructions

- Inspect the product to ensure it is not cracked or damaged before starting operation.
- Use with coolant (wet use). Cutting fluids are recommended, especially synthetic oils.
- Mount the wheel and let it run idle for one minute to verify it is not damaged.
- Always make sure the workpiece is properly secured.
- Begin operation with linear feed or shallow depths.
- Some products have a specific direction of rotation—inspect the wheel before use to verify this point.
- Always use the correct, clean, and well-maintained accessories; proper product performance depends on it.
- Allow the wheel to rotate briefly to expel excess coolant before turning it off.

## 3. Safety information

- Always follow the manufacturer's recommended operating and safety instructions.

## 4. Handling

- The initial inspection must be performed while the wheel is still in its original packaging. If there is visible evidence of damage to the box, the product should not be accepted.
- Handle the wheel carefully in its original packaging to prevent impacts or drops. If the wheel becomes fractured, broken, or shows visible damage, it must not be used and the manufacturer should be notified.

## 5. Storage

- Store the wheel on a flat surface. Do not strike or drop it. Keep it in a clean, dry environment, preferably in its original packaging, away from prolonged exposure to heat, cold, or moisture.
- For more information, refer to ANSI B7.1.

## 6. Packaging units

- 1 piece.

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