

# Abrasive Composite Router Bit

10x32 4F - CVD Diamond Coating

Built for clean cutting, reliable tool life and controlled edge quality in abrasive composite sheet, board and foam-core materials.

- **CVD Diamond layer** - Approx. 8 microns grown onto carbide for extreme abrasion resistance.
- **4-flute straight geometry** - Stable routing with strong edge support and controlled finishing.
- **Chip-breaker flutes** - Help fracture stringy fibres and reduce long strands around the cutter.

## Key Specifications

|                   |                                           |
|-------------------|-------------------------------------------|
| Diameter          | 10 mm                                     |
| Cut Length        | 32 mm                                     |
| Overall Length    | 60 mm                                     |
| Flutes            | 4                                         |
| Flute Style       | Straight flute with chip-breaker geometry |
| Coating           | CVD Diamond coating                       |
| Coating Thickness | Approx. 8 microns                         |
| Carbide Grade     | K100F carbide                             |

## Recommended Use

Best suited to abrasive sheet and board materials including fibreglass, carbon fibre, FRP, G10, phenolic, compact laminate, Thermolite, foamed PVC and high-wear composite or foam-core panels.

**Production focus:** longer tool life, cleaner edges, cut consistency and reduced fibre pull-out in abrasive materials.

10 x 32 mm | 4 Flute | 60 mm OAL

Product information compiled from Atlas Tools product listing and supplied product photo. Confirm specifications against current application requirements before machining.

### Best practice

Keep stick-out minimal. Use rigid workholding, quality collets and lead-ins.

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