

# RacingFast Skis Specification Guide

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## 1. Introduction

Welcome to the RacingFast Skis Specification Guide. This guide provides a comprehensive overview of the RacingFast Skis, designed for competitive racers and skiing enthusiasts who demand top-tier performance. Whether you're tackling steep slopes or navigating challenging courses, RacingFast Skis are engineered to deliver speed, precision, and control.

## 2. Product Overview

RacingFast Skis are built with cutting-edge technology and advanced materials to meet the needs of professional skiers and competitive athletes. These skis are designed for high-speed racing, offering exceptional stability, edge grip, and responsiveness. The RacingFast series includes various models tailored to different racing disciplines, including slalom, giant slalom, and downhill.

## 3. Technical Specifications

### General Specifications

- **Model Name:** RacingFast
- **Category:** Racing Skis
- **Discipline:** Slalom, Giant Slalom, Downhill
- **Skill Level:** Advanced to Expert
- **Terrain:** On-piste, Racing Courses

- **Guarantee:** 3 months

## Dimensions and Sizing

- **Lengths Available:** 150 cm, 160 cm, 170 cm, 180 cm, 190 cm
- **Tip Width:** 115 mm
- **Waist Width:** 68 mm
- **Tail Width:** 100 mm
- **Turn Radius:** Varies by model and length (12-24 meters)

## Weight

- **Weight (per ski):** 1.8 kg - 2.2 kg depending on size and model

## Binding Compatibility

- **Binding System:** Compatible with standard racing bindings
- **DIN Range:** 6-18

# 4. Construction and Materials

## Core

- **Material:** Ultra-lightweight Poplar and Ash wood core
- **Construction:** Sandwich construction with vertical sidewalls for maximum edge grip and power transmission

## Reinforcement

- **Fiberglass:** Multi-layer fiberglass for enhanced torsional rigidity
- **Carbon Fiber:** High-strength carbon fiber layers for reduced weight and increased responsiveness
- **Titanal:** Dual layers of Titanal for added stability and dampening

## Base

- **Material:** World Cup race base
- **Finish:** P-Tex 5000 sintered base for superior glide and durability

## Edges

- **Material:** Hardened steel edges
- **Thickness:** 2.2 mm for enhanced durability and grip

## Topsheet

- **Material:** Glossy, scratch-resistant polyamide
- **Graphics:** High-definition digital printing with UV protection

## 5. Design Features

### Rocker Profile

- **Type:** Camber with slight tip rocker
- **Function:** Enhanced edge hold and quick turn initiation with increased stability

### Flex Pattern

- **Type:** Progressive flex pattern
- **Function:** Optimal balance between stiffness for stability and flexibility for maneuverability

### Sidecut

- **Type:** Multi-radius sidecut
- **Function:** Allows for smooth turn transitions and versatility across different turn shapes

## 6. Performance Characteristics

### Speed

- **Max Speed:** Capable of maintaining high speeds on groomed courses
- **Acceleration:** Rapid acceleration out of turns due to optimized flex and rocker profile

### Control

- **Edge Grip:** Exceptional edge hold on hardpack and icy conditions
- **Stability:** High stability at speed due to reinforced construction

### Maneuverability

- **Turn Initiation:** Quick and precise turn initiation
- **Turn Radius:** Adjustable turn radius to suit different racing disciplines

## 7. Available Sizes

RacingFast Skis are available in multiple sizes to accommodate different skier preferences and body types. The following sizes are offered:

- **150 cm:** Ideal for lighter or shorter skiers
- **160 cm:** Suitable for versatile performance
- **170 cm:** Balanced option for a wide range of skiers
- **180 cm:** Best for taller or more aggressive skiers
- **190 cm:** Designed for maximum stability at high speeds

## 8. Maintenance and Care

To ensure the longevity and performance of your RacingFast Skis, follow these maintenance guidelines:

- **Regular Waxing:** Wax the skis regularly to maintain base speed and protect from drying out.
- **Edge Sharpening:** Keep the edges sharp for optimal grip and control.
- **Storage:** Store in a cool, dry place away from direct sunlight and moisture.
- **Inspection:** Regularly inspect for any damage or wear and repair as necessary.

## 9. Warranty Information

RacingFast Skis come with a limited warranty covering defects in materials and workmanship for a period of two years from the date of purchase. This warranty does not cover damage caused by misuse, neglect, or normal wear and tear. For full warranty details and claim procedures, please refer to the warranty card included with your skis.

## 10. Conclusion

RacingFast Skis are the epitome of high-performance racing equipment, engineered to meet the demands of competitive skiers. With their advanced construction, superior materials, and innovative design features, RacingFast Skis provide the speed, control, and precision needed to excel in any racing discipline. Whether you're a professional racer or an avid skiing enthusiast, RacingFast Skis will elevate your performance to new heights.

For more information or to purchase RacingFast Skis, visit our official website or contact an authorized dealer near you.