

Carver Skis Specification Guide

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1. Introduction

Welcome to the Carver Skis Specification Guide. This guide provides a comprehensive overview of Carver Skis, designed specifically for the slalom discipline. Engineered for precision, agility, and speed, Carver Skis are the perfect choice for slalom racers who demand top-tier performance on the slopes.

2. Product Overview

Carver Skis are built with advanced technology and premium materials to meet the exacting standards of competitive slalom racers. These skis offer exceptional edge grip, rapid turn initiation, and superior control, allowing skiers to navigate tight slalom courses with ease and confidence.

3. Technical Specifications

General Specifications

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

Dimensions and Sizing

- **Lengths Available:** 150 cm, 155 cm
- **Tip Width:** 115 mm
- **Waist Width:** 66 mm
- **Tail Width:** 100 mm
- **Turn Radius:** 10-13 meters depending on length

Weight

- **Weight (per ski):** 1.6 kg - 1.9 kg depending on size

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:** Full camber profile
- **Function:** Enhanced edge hold and precise turn initiation for tight slalom turns

Flex Pattern

- **Type:** Stiff flex pattern
- **Function:** Provides stability and power during aggressive turns

Sidecut

- **Type:** Aggressive sidecut
- **Function:** Allows for quick and sharp turns, ideal for slalom racing

6. Performance Characteristics

Speed

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

Control

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

Maneuverability

- **Turn Initiation:** Quick and precise turn initiation
- **Turn Radius:** Tight turn radius tailored for slalom racing

7. Available Sizes

Carver 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
- **155 cm:** Suitable for versatile performance

8. Maintenance and Care

To ensure the longevity and performance of your Carver 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. **Ideal temperature is 15 degrees**
- **Inspection:** Regularly inspect for any damage or wear and repair as necessary.

9. Warranty Information

Carver 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

Carver Skis are the ultimate choice for slalom racers seeking precision, agility, and top-tier performance. With their advanced construction, superior materials, and innovative design features, Carver Skis provide the edge grip, control, and responsiveness needed to excel in slalom racing. Whether you're a professional racer or an avid skiing enthusiast, Carver Skis will help you carve your way to victory.

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