

**Univ.- Prof. Dr. Werner Nachbauer**

*Full Professor of Biomechanics  
of the University of Innsbruck*

*Expert Witness of Alpine Skiing and  
Biomechanics of Sports*

## TEST REPORT

Innsbruck, 26.05.2007

**Panel type:** Break-a-way for DH

**Producer:** RELIABLE RACING Supply, Inc.  
643 Upper Glen Street  
Queensbury, NY 12804

### Test results:

<b>Test 1: Release in case of entanglement</b> Measurement: The panel released in all attempts.	✓
<b>Test 2: No removal during normal collision with the pole</b> The panel did not come off the pole during three sets of test.	✓
<b>Test 3: Wind permeability</b>	✓
<b>Test 4: Geometrical design and colours</b>	✓

**Pictures of the panel:**



Fig. 1: Downhill panel



Fig. 2: Fixation on pole



Fig. 3: Bungee strap

**Judgement:** The panel meets the specifications required by the FIS. The certification is valid till 30.4.2009.

(Dr. W. Nachbauer)

**Exclusion of liability:**

Even if a gate panel meets the FIS specifications for release panels, there is no guarantee that the panel will function without error or problem during races and training. The relationship between the FIS requirements measured in the laboratory and the behavior of panels under racing conditions has not been thoroughly enough studied yet. Additionally environmental factors such as temperature or humidity have not been considered during test measurements. Because of these reasons, legal liability for damages which may result from a panel malfunction during races or training cannot be assumed by the testing organization or the FIS.