

Ski jumping World Cup 2008-09

LIFT-OFF – BOKLÖV-STYLE

Named after Swedish jumper Jan Boklöv, skis form V-shape for larger effective surface area giving up to 35% more lift than with parallel skis

Turbulent vortex at tip can cause resistance and instability

High-speed vertical air flow:
Pressure on top surface
lower than
underside

Angle
of attack

V-angle

30°

Pointed tail of
V-shape
reduces
drag at
rear

3 Pragelato
Dec 12-14

**Four Hills
Tournament**

Oberstdorf Dec 28-29 **5**

Garmisch-Partenkirchen Dec 31-Jan 1 **6**

Innsbruck Jan 3-4 **7**

Bischofshofen Jan 5-6 **8**

VENUES: Kuusamo Nov 27-30 **1**

Trondheim Dec 5-7 **2**

Lillehammer Mar 12-13 **18**

Vikersund Mar 13-15 **19**

NORWAY

FINLAND

GERMANY

POLAND

17 Kuopio
Mar 9-10

16 Lahti
Mar 6-8

10 Zakopane
Jan 15-17

13 Willingen
Feb 6-8

14 Klingenthal Feb 10-11

4 Engelberg Dec 19-21

15 Oberstdorf
Feb 13-15

11 Whistler Jan 23-25

9 Tauplitz Jan 9-11

SWITZERLAND

ITALY

AUSTRIA

SLOVENIA

CANADA

JAPAN

Sapporo Jan 30-Feb 1 **12**

20 Planica Mar 19-22