

Speed skating and short-track

SPEED SKATING

Boots: Rigid carbon fibre

Blade: 38-46cm long for greater speed

Klap skate mechanism:

Blade stays in contact with ice when heel is lifted for longer push stroke

Boot: Ankle support for high G-force corners

Frame: High ground clearance for curves

Tube: Aluminium

400m oval
Two skaters, who change lane after each lap

SHORT TRACK

111.12m oval

Up to eight skaters race on single lane

Blades
Bent – especially on outside (right) foot – to give better grip on tight corners

Take-off push

LEFT

RIGHT

35-48cm bi-metallic

Low altitude

ICE SPEED AND ALTITUDE

High altitude

Slow

Air bubbles reduce ice density

Higher air pressure traps air in ice

Lower air pressure, higher density

Closely packed ice crystals

Fast

Vancouver sits at sea level, so speed records are unlikely