

Men's Downhill and Super-G

AERODYNAMIC TUCK

Minimum exposure to wind

Crouch to half normal body height

RACING LINE

Carved turn

Wider but allows rider to maintain speed

Shortest line: Edging loses momentum, difficult to gain back on varying gradient slope

Minimum turn radius of ski

DH 45m
Super-G 33m

VENUE: Sestriere Borgata

Super-G
2,536m

Downhill 2,800m

Salto dell Angelo
Schuss Banchetta

Esse Azzurra
Schuss Anfiteatro
Acqua Minerali

Salto Blu

Vertical drop 914m

SMOOTH RIDE

At speeds of up to 150km/h, maintaining control – through contact with snow – is essential. One method uses ceramic **piezoelectric fibres** to damp vibrations

Ski flexes, causing fibres to generate electrical signal

Embedded microchip amplifies and returns signal – fibres stiffen to counter vibration

ALL-TIME MEDALS

Downhill / Super-G

AUT	16 / 5
SUI	10 / 1
FRA	9 / 1

Course length: Downhill – 3,299m, Super-G – 2,965m

Finish 1,886m

Source: TOROC

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