

# FIS

# Freestyle

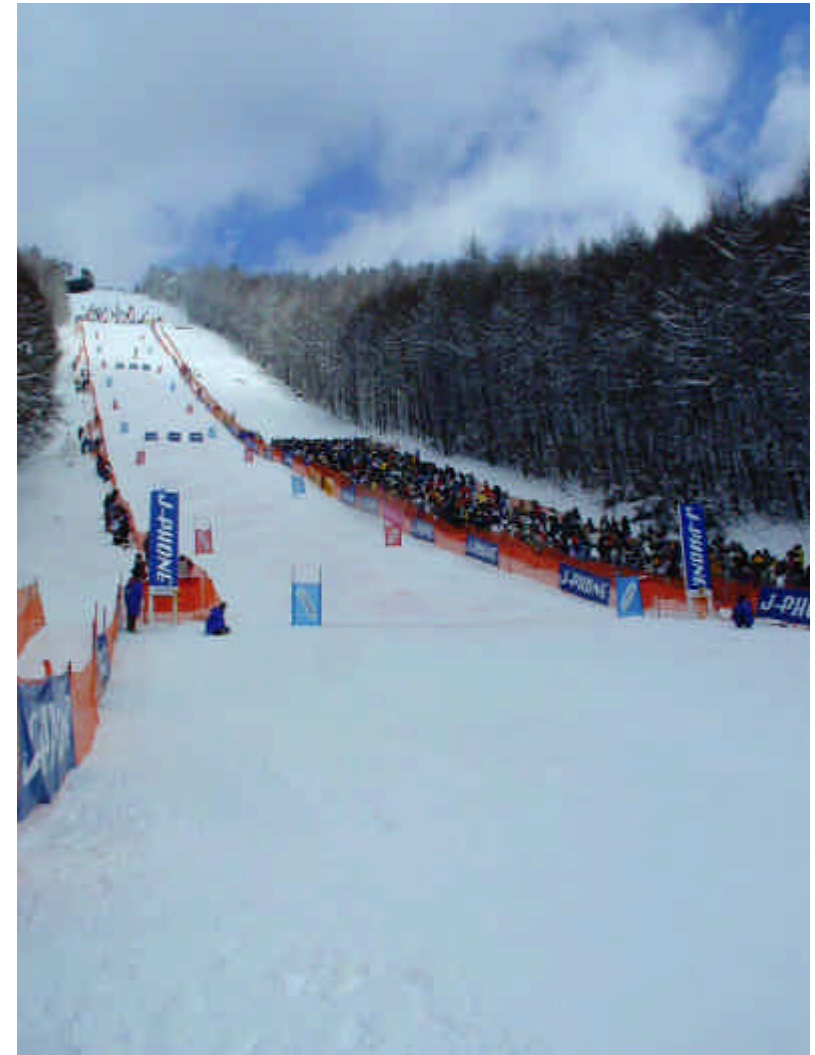
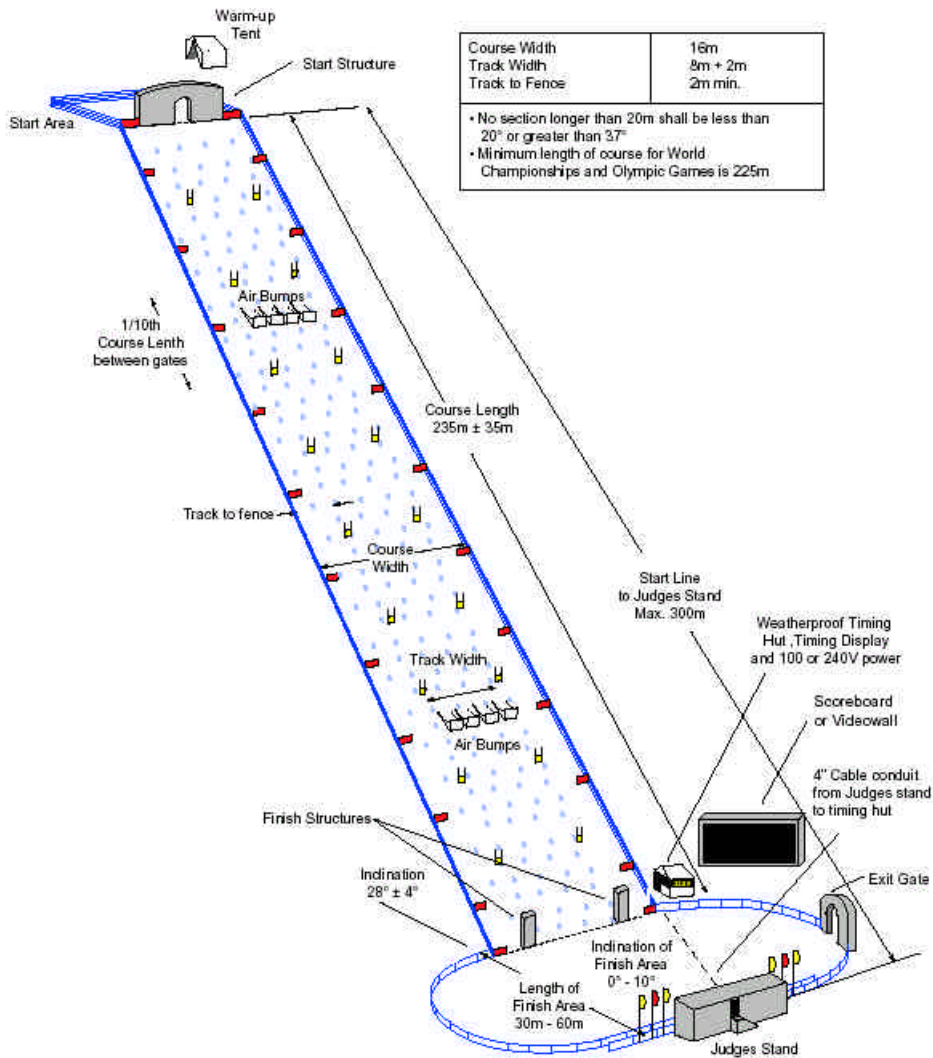
# Skiing

## Course Information Presentation



Joe Fitzgerald, FIS Freestyle Coordinator

# MOGUL = 90 to 120 M Vertical Drop 200 to 270 M Long



# AERIALS / BIG AIR = 50 to 60 M Vertical Drop 100 to 150 M Long

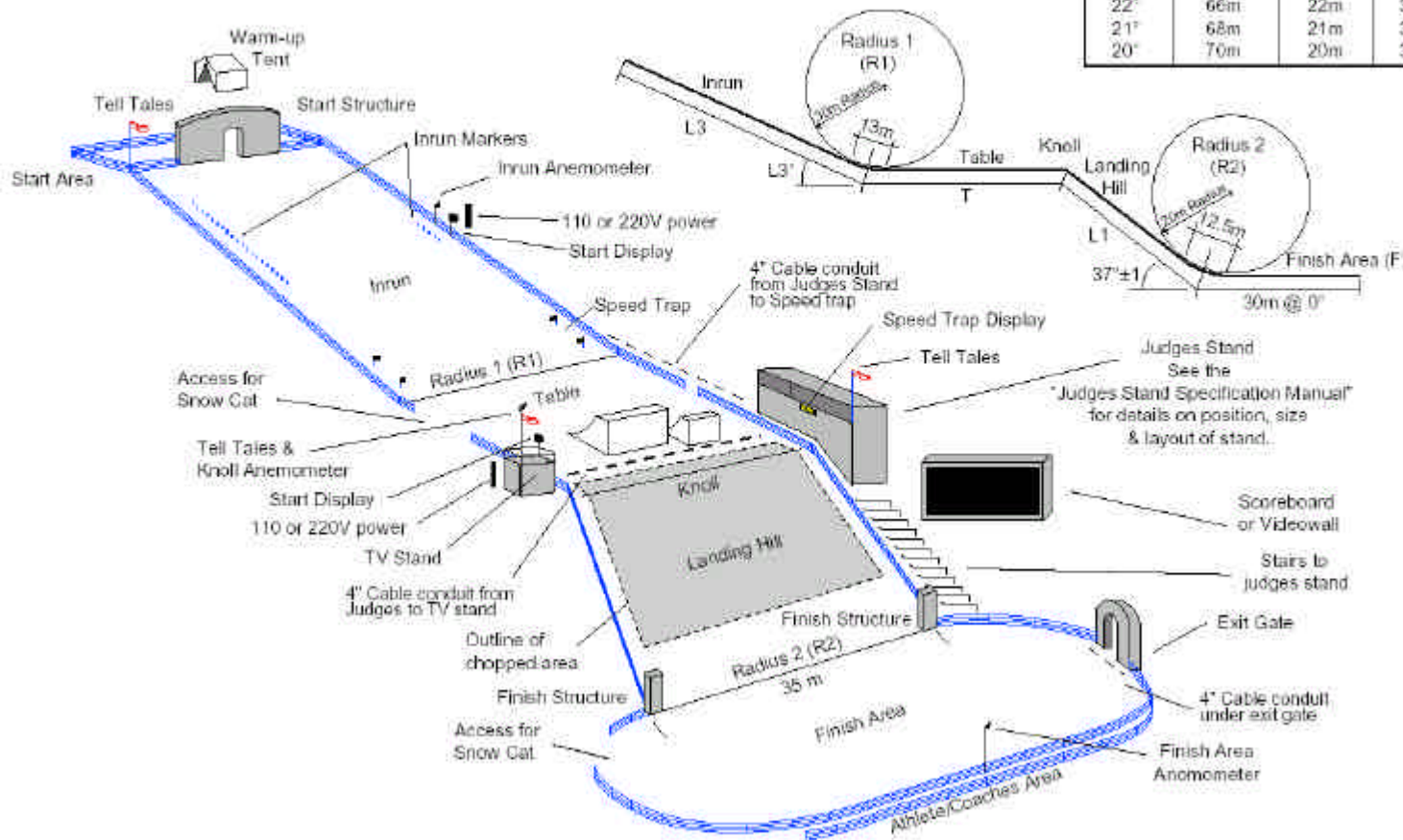
## FIS Aerial Site Course Specification - World Cup

\* Note: World Championship and Olympic Game sites require special homologation

Revision 03/10/2000 • FIS Freestyle Committee

Inrun Angle (L3°)	Inrun Length (L3)	Table Length (T)	Landing Length (L1)
25°	60m	25m	30m
24°	62m	24m	30m
23°	64m	23m	30m
22°	66m	22m	30m
21°	68m	21m	30m
20°	70m	20m	30m

Side View of Aerial Site



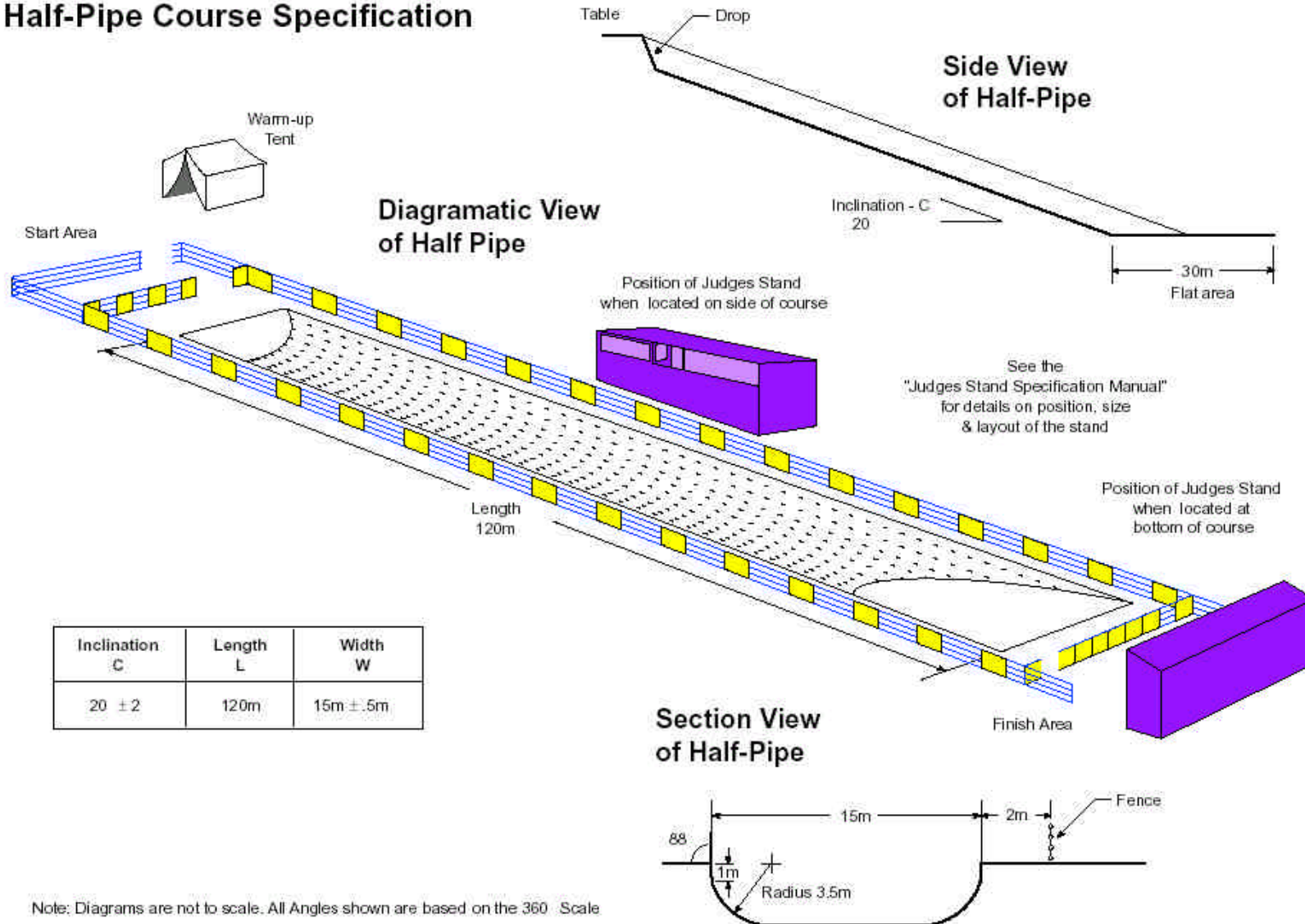


## Ski Cross

- Slope inclination 12-18°
- Vertical drop 150-250 m.
- Width of trail or slope 30 m. minimum
- Width of track 5 m. minimum (1 snowcat width)
- Distance start line to first turn 60 m. minimum
- Width of finish corral 30 m. minimum
- Length of finish corral 55 m. minimum
- Finish corral inclination 0-10°
- Fastest time (Men & Women) 35 - 60 seconds

# HalfPipe = 40M vertical

## Half-Pipe Course Specification



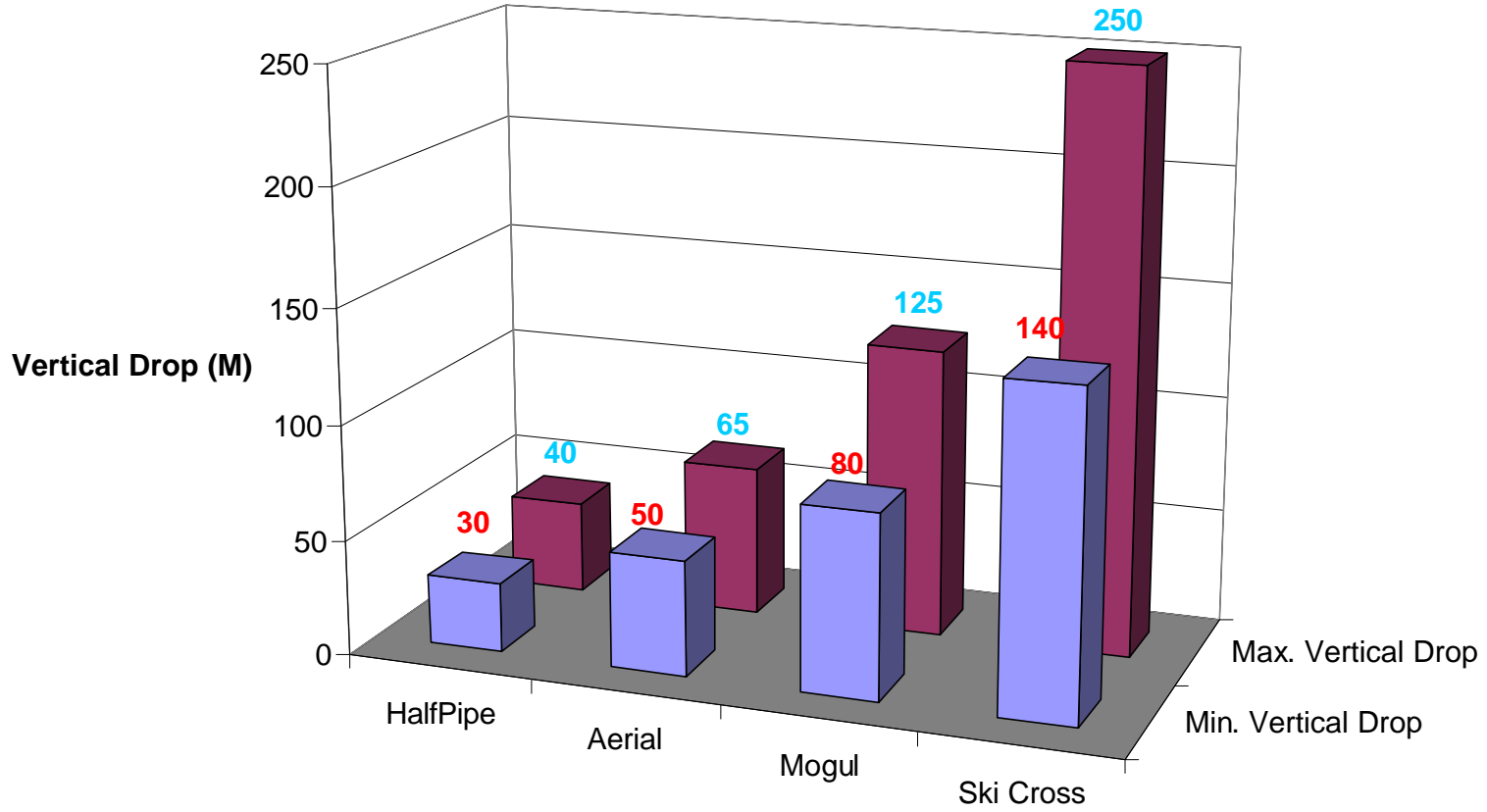
Note: Diagrams are not to scale. All Angles shown are based on the 360° Scale

*What type courses are required?*

**TABLE OF FIS FREESTYLE COURSE MEASUREMENTS AND SPECIFICATIONS**

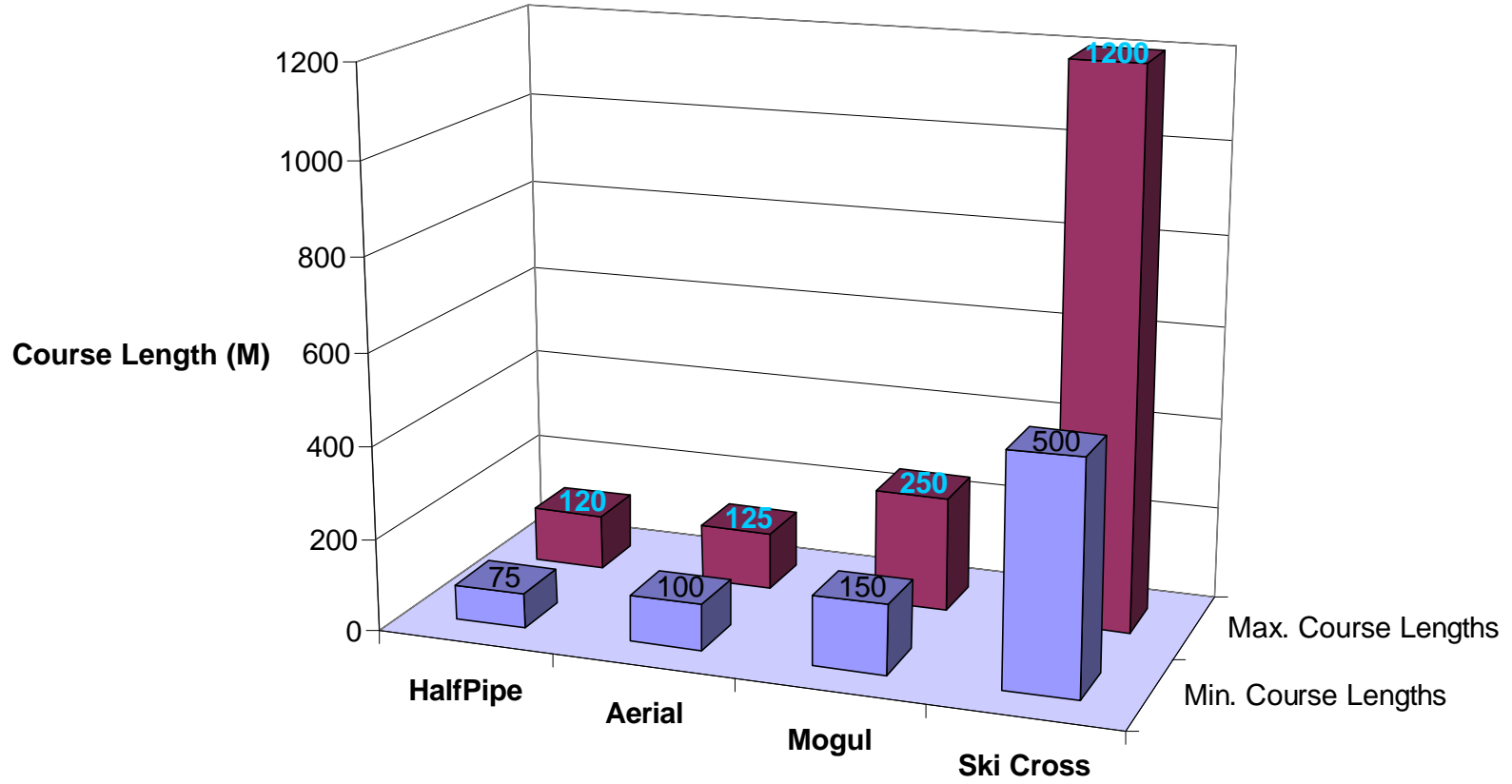
<b>Technical Details</b>	<b>Moguls / Dual Moguls</b>	<b>Aerials</b>	<b>HalfPipe</b>	<b>Ski Cross</b>
<i>Vertical Drop (m)</i>	90 – 130	60 – 70	50 – 60 m	200 / 250 m
<i>Length (m)</i>	170 – 270	150	120	700 – 1000 m
<i>Angle of Slope (°)</i>	23° – 30°	20° – 38°	15° – 20°	15° to 25°
<i>Width of Course (m)</i>	20 – 25	20 – 25	20 – 25	20 – 30
<i>Finish Area (m)</i>	30 m x 30 m	30 m x 30 m	20 m x 20 m	50 m x 30 m
<i>Surface area (m<sup>2</sup>)</i>	6250 (m <sup>2</sup> )	3000 (m <sup>2</sup> )	4000 (m <sup>2</sup> )	20,000 (m <sup>2</sup> )

## FIS Freestyle Vertical Drops For Courses



	HalfPipe	Aerial	Mogul	Ski Cross
Min. Vertical Drop	30	50	80	140
Max. Vertical Drop	40	65	125	250

# FIS Freestyle Course Length



	HalfPipe	Aerial	Mogul	Ski Cross
■ Min. Course Lengths	75	100	150	500
■ Max. Course Lengths	120	125	250	1200