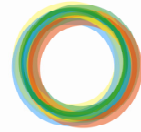


BMX Centre

Fact file

NATIONAL CYCLING CENTRE
HOME OF BRITISH CYCLING



- 1st ever permanent indoor BMX track in the UK
- Open from 8.00am to 10.00pm every day, excluding Bank Holidays
- Home of British Cycling, the national governing body for the sport
- GB cycling team base including all support staff and athlete management
- Operated by The Velodrome Trust, and built in 2010/11 at a cost of £24m, funded by Manchester City Council, New East Manchester, North West Development Agency and Sport England. Construction cost £19m for the building. The public realm with the footbridge, public art, new footpaths, lighting, etc, cost a further £5m.
- Comprehensive BMX track programme catering for all riders; novice to elite, schoolchildren to masters riders from 5 years old plus, producing 40,000 rides per year, using 96 Haro BMX hire bikes
- There is only one other indoor BMX Centre on this scale in the world, in Moscow.
- Speed at bottom of the ramp is 60km/h for Elite men and 55km/h for Elite women.
- The aim is to spend as little amount of time in the air. The highest point in the air, from ground level, will probably be third set of doubles on pro side at end of second straight. Height will be approx 4m from ground level.

BMX Track Specifications

Gauge line length 400 metres	Permanent seating capacity 2000, temporary seating for 1000 extra for big events
Track width max 20 metres	22 Transponder Timing Loops to monitor BMX riders speeds at various points around the BMX & Sprint Track
Track width min 10 metres	There are 2 Start Ramps, which are 5m & 8m high, dropping to 1m above floor level at a gradient of 1:2.5 to generate sufficient speed to navigate the larger jumps along straight 1 and 2
Angle of the berms 42.5°	Safety Netting similar to used on Ski Slopes in Alps and Indoor Ski Slopes in the UK
Track top material – Soiltack treated limestone dust	UCI designed and approved



- Excavation - 40,000m³ of material excavated from the ground. Half of which was mixed with existing foundations and used as fill material below building. 3000m³ of clay excavated from below the building was re-used as the earth mounds for the BMX track.
- Steel - 1050t of Steel in the Stadium, 350t of Steel in the Link Building. If you laid all the stadium roof trusses out in a line it would be approx 880m. The equivalent of riding the BMX track twice. Mast Cables - 3 quarters of a mile of Mast Cables to support the roof, transferring the load into the ground.
- Concrete - 1000m³ of concrete in the foundations. 1250m³ in the Ground and 1st Floor of the Link Building. 1315m³ or 7500m² of Coloured Concrete Externally including Structures.
- Stadium Roof is 9000m² built over a BMX track of 7000m²
- Rock Anchors - 12 Rock Anchors Support the Masts in tension. These have been drilled to a total of 600m in the ground.
 - Windows - 1000m² of Glass to the Link Building and Stadium.
 - Bricks - 78,000 Bricks to the External Walls, 44,500 Blocks to the Internal Walls
 - Building is 21m at the highest point, but the tallest masts are 35m, some 14m above the building.

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The National Cycling Centre can also boast superb facilities capable of meeting the needs of a variety of business related events and activities

