

= Behemoth ( roller coaster ) =

Behemoth is a steel roller coaster at Canada 's Wonderland in Vaughan , Ontario , Canada . It is a Hypercoaster designed and developed by Swiss manufacturer , Bolliger & Mabillard . Behemoth was the tallest and fastest roller coaster in Canada until 2012 when Leviathan , a roller coaster also manufactured by Bolliger & Mabillard , was built at the opposite side of Canada 's Wonderland , claiming these titles . Behemoth is similar to Diamondback ( Kings Island ) , Goliath ( La Ronde ) and Nitro ( Six Flags Great Adventure ) .

After a year and a half of preparation and development , Behemoth premiered in May 2008 . With its high speeds , tall heights and rapid changes in both direction and elevation , the attraction is one of the most aggressive thrill rides in the park . Behemoth also has a high hourly passenger throughput ? making it one of the most efficient rides in the park .

The ride features a prototype seating arrangement to ensure an unobstructed view for every rider ? a first for a roller coaster of this type . The Behemoth experience lasts for approximately three minutes and subjects the rider to a maximum speed of 124 km / h ( 77 mph ) achieved in less than 3 @. @ 9 seconds followed by five air @- @ time hills , a hammerhead turn and two helixes .

= = History = =

Behemoth was announced on 27 August 2007 . The estimated C \$ 26 million ride represented the single biggest investment in the 27 @- @ year history of Canada 's Wonderland . When completed , Behemoth became the 15th roller coaster at the park .

After 17 @. @ 5 months of planning and construction , steel construction of the track and supports was completed on 22 January 2008 . The ride was officially opened on 24 April 2008 for Media Day . On Season Pass Preview Night , the ride was open to season pass holders on 25 April 2008 . Behemoth opened to the public on 4 May 2008 .

For the 2014 season , seat belts were added to the trains .

= = Characteristics = =

Behemoth is rated a five out of five ( double black diamond ) according to Wonderland 's Attraction Rating System . This rating specifies that the ride will have " high speeds and / or heights , aggressive and unexpected forces and rapid directional or elevation change . " Passengers of any age must be 137 centimetres ( 54 in ) tall to ride .

Behemoth has a high throughput and will accommodate approximately 1 @, @ 545 passengers an hour , making it one of the most efficient roller coasters in the park .

= = = Train = = =

" Behemoth 's three open @- @ air steel and fiberglass trains feature a prototype v @- @ shaped staggered seating arrangement to ensure an unobstructed view for every rider . " This prototype design is a first for Bolliger & Mabillard roller coasters which was later reproduced for Diamondback at Kings Island , Intimidator at Carowinds and Shambhala : Expedición al Himalaya at PortAventura . The trains are named Red Train , Orange Train , and Yellow Train , after their coloured fronts . Each of the trains comprise eight cars , seating four guests each for a total capacity of 32 . Each passenger is seated in a bucket seat restrained by a lapbar harness ; and a seatbelt . Some persons over a certain weight / waist size cannot be accommodated by this arrangement .

= = = Track = = =

The steel track is 1 @, @ 620 @. @ 9 metres ( 5 @, @ 318 ft ) in length and the height of the lift is approximately 70 metres ( 230 ft ) . The angle of the first descent is approximately 75 degrees . The track includes trim brakes and magnetic brakes for smoothness .

### === Station ===

A two @-@ story sheltered station house contains the ride loading and unloading area . The ground floor of the station contains the maintenance area for the trains , equipped with Radiant Heaters .

At the boarding area , the station features three colour @-@ coded cabinets for loose belongings ? one designated for each of the three trains . The operator 's booth is also located on this platform .

### === Gift shop ===

Unlike most of the park 's other attractions , Behemoth has its own gift shop at the exit . The shop sells ride memorabilia and displays the photos taken during the ride .

### === Experience ===

The ride features a prototype seating arrangement to ensure an unobstructed view for every rider ? a first for a roller coaster of this type . The Behemoth experience lasts for approximately three minutes and subjects the rider to a maximum speed of 124 km / h ( 77 mph ) achieved in less than 3 @.@ 9 seconds followed by five air @-@ time hills , a hammerhead turn and two helixes .

### === First drop ===

After departing the station , the train turns right and begins to slowly climb the lift hill through the use of a chain lift . After approximately thirty seconds , the maximum height of 70 metres ( 230 ft ) is reached . From the top , a passenger can clearly see the iconic CN Tower to the left and overlook the entire park to the right . The train drops from the peak at a 75 @-@ degree angle to reach the maximum speed of 125 km / h ( 78 mph ) in 3 @.@ 9 seconds .

### === Air @-@ time hills ===

At the base of the first drop , the train banks a few degrees to the right and climbs the first air @-@ time hill and descends . Following this , the train climbs up to a hairpin 180 @-@ degree hammerhead turn to the left . The train descends from the height of the turn to travel up and over three more air @-@ time hills . After the hills , the train climbs up a steep slope into the mid @-@ course brake run .

### === Helix pair ===

After the momentary reduction in speed , the train turns to the right and descends into a downward 540 @-@ degree helix . Immediately following the first helix , the train climbs into an upward 270 @-@ degree helix to the left . Following the climb is a small descent and a final hill . The train climbs up from the final hill into the terminal brake run .

### === Disembarkment ===

The train waits at the terminal brake run until it is cleared for return by the station . The train proceeds forward and turns 180 @-@ degrees to the left to return to the station .

### === Reception ===

Behemoth is one of the most popular attractions at Canada 's Wonderland and it has enjoyed a great deal of success since its establishment . The ride appeals to a wide demographic with park staff noting that both young children and senior citizens line up for the attraction .

With the addition of Behemoth , we wanted to compliment our already impressive line @-@ up of more than 200 rides , shows and attractions with a world class roller coaster that will showcase Wonderland as one of the premier amusement parks in our industry .

= = = Awards = = =

The Golden Ticket Awards is an annual set of awards given out by Amusement Today , a newspaper published for the amusement industry . The rankings are selected by an international poll conducted by the newspaper . When Behemoth debuted in 2008 , it ranked third as the Best New Ride of the year .