

= Sky Scrapper =

Sky Scrapper (also known as Starry Sky Ripper) is a flying roller coaster at World Joyland in Wujin , Changzhou , Jiangsu , China . Sky Scrapper was one of World Joyland 's opening day attractions , officially opening on April 30 , 2011 . The 2 @, @ 805 @. @ 1 @- @ foot @- @ long (855 @. @ 0 m) ride stands 131 @. @ 3 feet (40 @. @ 0 m) tall , and features a top speed of 54 @. @ 7 mph (88 @. @ 0 km / h) . Designed by Swiss firm Bolliger & Mabillard , Sky Scrapper restrains riders in the prone position and features five inversions .

= = History = =

World Joyland officially opened to the public on April 4 , 2011 . The park opened with the custom @- @ designed Sky Scrapper , a Flying Coaster model from Bolliger & Mabillard . The ride is located in the Universe of Starship area of the park . The park is derived from the World of Warcraft and Starcraft franchises .

= = Characteristics = =

The roller coaster 's steel track is approximately 2 @, @ 805 feet (855 m) in length and the height of the lift is 131 @. @ 3 feet (40 @. @ 0 m) . Sky Scrapper operates with two steel and fiberglass trains . Each train has seven cars that seat four riders in a single row , for a total of 28 riders per train .

Sky Scrapper features a total of five inversions , which ties it with The Flying Dinosaur for the most inversions on a B & M Flying Coaster model . These include a zero @- @ g roll , a vertical loop , a " Lie to Fly " / " Fly to Lie " pair , and two inline twists . A " Lie to Fly " element is when riders are on their backs , facing the sky and they are flipped and face the ground . A " Fly to Lie " element is the opposite . As of August 2013 , Sky Scrapper is the only Bolliger & Mabillard Flying Coaster to feature a vertical loop , and is one of only two to feature a zero @- @ g roll .

= = Experience = =

= = = Station and loading = = =

Once in the station , riders of Sky Scrapper board a train sitting down , in a similar style to inverted roller coasters . Riders are restrained through a padded over @- @ the @- @ shoulder harness and a lap bar . At the ankles , two flaps hold the legs in position and close as the harness is locked in place . After the train is fully locked and checked , the trains are raised into the flying position and depart the station .

= = = Ride layout = = =

The train travels out of the station and up the 131 @. @ 3 @- @ foot (40 @. @ 0 m) lift hill . The train then drops , reaching a top speed of 55 mph (89 km / h) before entering an overbanked turn . This is followed by a zero @- @ g roll and " Fly @- @ to @- @ Lie " element that turns riders from a face @- @ down prone position to a face @- @ up lying position . It then goes through a small tunnel and enters the vertical loop . Riders are then transitioned back to a prone position after entering the following " Lie @- @ to @- @ Fly " element , which travels over water . Riders then experience a double inline twist element , and a helix that turns to the left . The train enters the final brake run and follows a short path back to the station .