

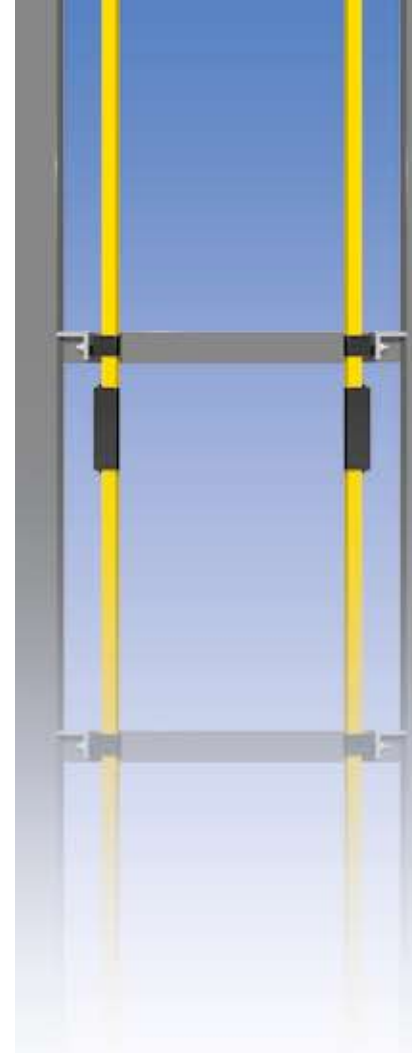
ETF Flying Birds

ETF



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The ETF Flying Birds ride is a suspended ride offering excellent family entertainment. The Flying Birds concept is a simulation of birds in flight inclusive of all meandering movements.



While meandering, the birds tilt gently exposing the passengers to feelings of excitement as they soar through the sky. Every flying bird comes with its own propulsion system. This allows the birds to fly in a limited vertical space as they can climb and dive within the given clearance without restrictions or expensive elevating devices.

The track consists of two tubes placed in a vertical plane, with the top tube carrying the birds while the bottom tube accurately controls the position of the bird while meandering. Another advantage of this dual-tube track is that it allows for a maximum span between columns of 10 metres.

The vehicle consists of two frame parts, hinged together on a horizontal axis. The top section consists of the wheels and drive unit; the bottom section carries the two passengers.

An arm is attached to the hinge. At the end of the arm there is a single seating row for a maximum of 2 persons (adults and/or children) with a minimum height of 1.0 metre.

Safety is provided by the specially designed seats, which automatically "slide" the passengers to the back of the seat for comfort and safety and with a lapbar preventing the passenger from moving up out of the seat.

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Typical track length	200 - 350 m	
Track type	Dual-track system	
Application	Indoor and outdoor	
Typical no. of vehicles	8 - 12	
Vehicle capacity	2 adults/children or 1 adult + 1 child	
Minimum height for ride	1.0 m	
Drive system	AC motor	
Ride capacity per hour	480 - 720 people	
Maximum speed on track	5 m/s	
Maximum speed in station	0.5 m/s	
Minimum horizontal curve	5 m	
Minimum vertical curve	5 m	
Maximum incline	8 degrees	