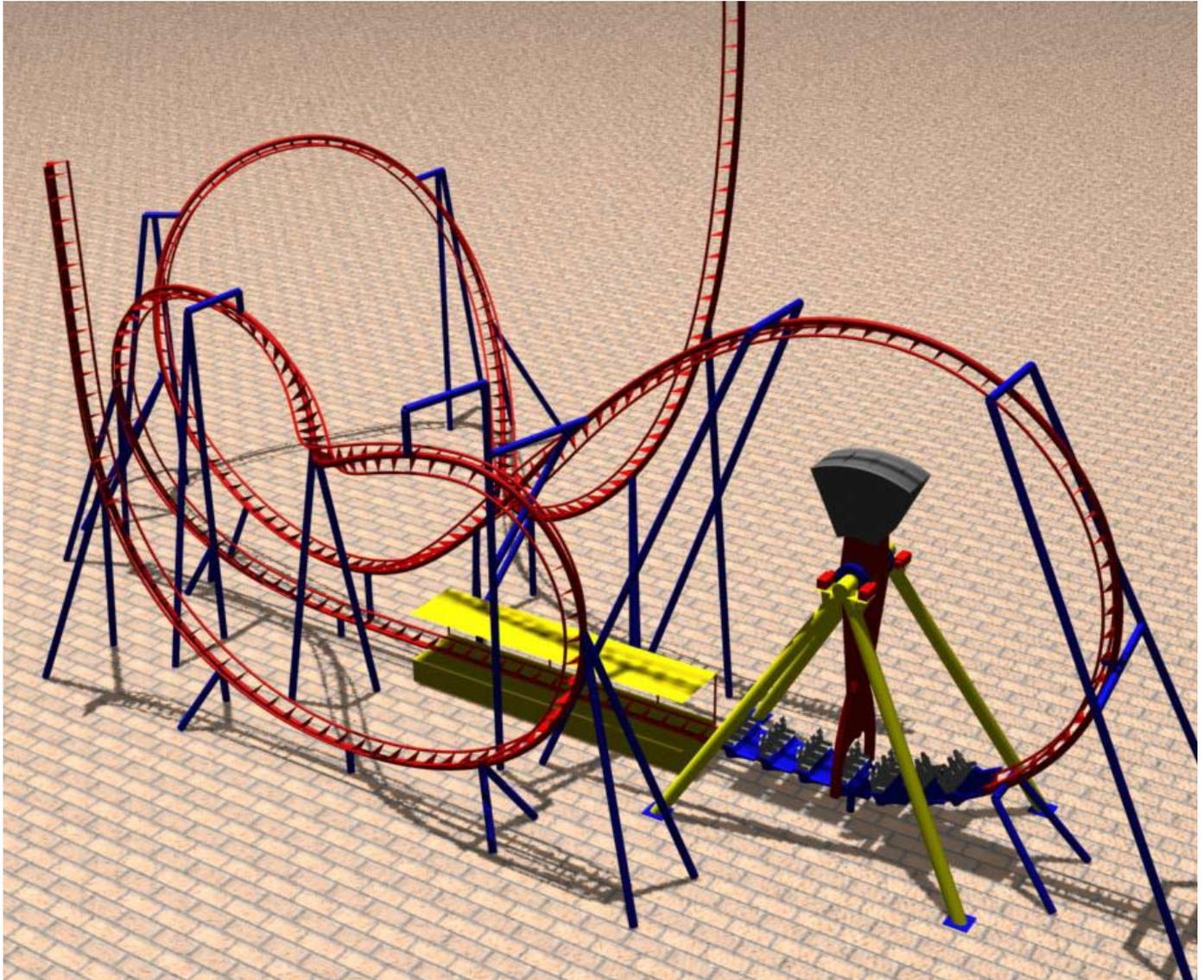
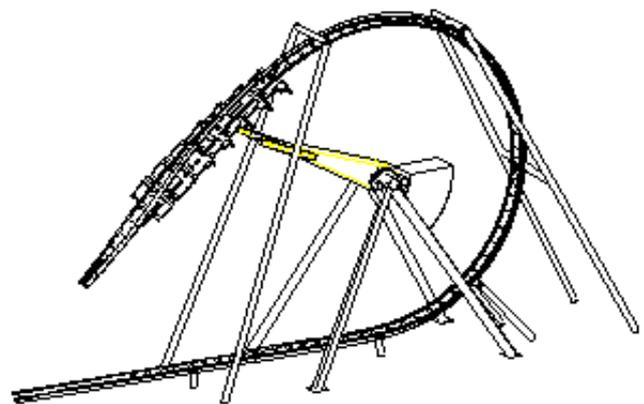


Thor's Hammer



Technical data

Footprint:	72 x 42 m *
Height of the launch ring:	22 m *
Highest lenght:	35 m *
Track length:	600 m (300 m there - m back) *
Inversions:	6 (3 going there and 3 back)
Running time:	65 sec. *
Max speed:	23 m/s *
G-force:	4,8 g
Installed power:	180 Kw
Trains:	1 trains x 7 cars x 4 seats
Capacity:	850 persons/h
	* approximative



Description of the supply

01_Track

m. 300 ca. 3 tubes track (2 x diam. 127 mm+ 1 x diam. 324 mm ca.) with flanges connecting the tracks to one another as well as the tracks to the columns; all tracks are protected by rust preventer and epoxy painting, after removing any oxidation or calamine.

02_Supports

Monolithic columns supporting the tracks with with flanges for the connection to the tracks and to the base elements (if any). They are protected by rust preventer and epoxy painting, after removing any oxidation or calamine. If a base is to be provided, according to the sale contract, this will be hot galvanized.

03_Launching system

Launching structure of the type "THOR'S HAMMER" made of:

- 4 monolithic columns (2+2 overturned =V= shape) made of compound and flanged tube;
- 2 supports for the rotating axle;
- 1 central axle;
- 2 slewing rings diam. m. 2,20;
- 1 main beam with counterweight and pushing organ;
- 6 totally controlled reduction gears (30 Kw each) with their supports.

All parts are protected by rust preventer and epoxy painting, after removing any oxidation or calamine.

04_Train

One train of 7 cars made of steel frame and fiberglass body.

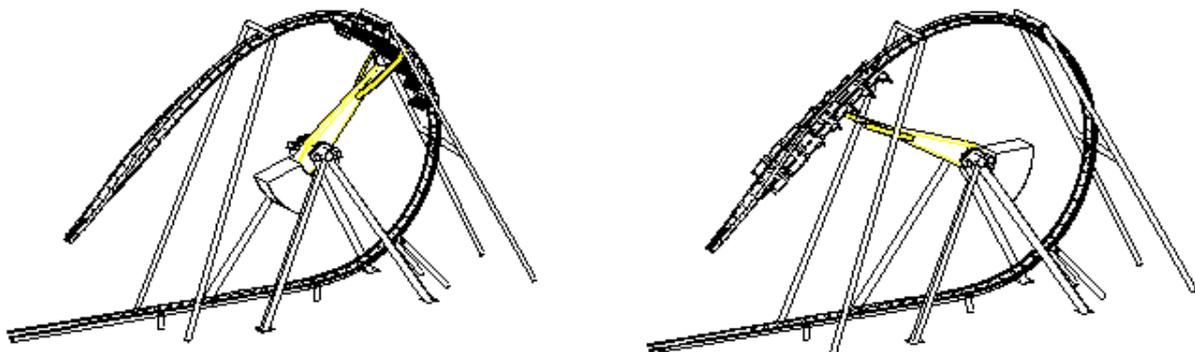
The 7 cars are four-seater ones (abreast seats); each seat is provided with shoulder restraints and safety belts.

05_Braking system

Pneumatic/magnetic braking system controlled by P.L.C. (programmable logic controller). The brakes are to be found in the arrival area and loadind/unloading station.

06_Electric system

Motive power electric system with control board and control panel. It is supplied with all safety relays in the auxiliary circuits of electromechanical type which are redundant with the PLC electronic ones (option: 2 redundant PLC). All necessary cables are included, except for those for the supply of the ride.



Description of the supply

07_ Station and walkways (optional)

Passengers' loading and unloading station provided with:

- Hot galvanized metallic structures supporting the platforms for the public;
- Entrance and exit stairs and platforms made of Durbar plates supported by hot galvanized structures;
- Roof made of "sandwich"- panels of pre-painted sheet and foam polyurethane;
- Decorated (or themed) top panels;
- Protection fences having a decorative structure made of polished stainless steel tubes.

08_ Included in the supply

- Design according to the DIN standards or equivalent;
- Static calculation report for the whole ride;
- Use and maintenance manual;
- Spare parts book;
- Spare parts and tools for a first and simple intervention;
- Technicians for the erection and assembly (commissioning).

09_ Excluded from the supply

- Luminous signs or similar;
- Station, fences and walkways (on request)
- Self standing base (on request)
- Engineering and construction of any other civil work (foundations, etc..);
- Pre-assembly of foundation bolt in concrete;
- Certifications by third parties or local and/or governmental inspections/certification;
- Approval of any independent institute of all technical documentation, production procedures and at site commissioning;
- All kind of lifting, transport, loading/unloading means on site (such as crane, personnel lifting basket, etc..);
- All yard costs and any superintendence and assistance of yard works;
- Any administrative paper, insurance policy and labour cost;
- Crowd control fences;
- Traveling expenses, board and loading of the technicians;
- Operator's cabin;
- Air conditioning system;
- All what is not included in the items from Traks to Station and Walkways



