

MFG: HEINRICH MACK GMBH &  
CO.  
NAME: SEE STURM BAHN  
TYPE: NON-KIDDIE

"SEESTURMBAHN"

"SEASTORM"

No: 3515

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"Seastorm"

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"Seastorm"

1. General Description " Seastorm"

The "Seastorm" is a high speed circuit vehicle. During the ride, which leads over 4 mountains and through 4 valleys the passengers are pressed into the seat corners by the velocity. To increase the fun additionally, each boat rotates once more by 180 degrees during the ride, such that once the persons sit one behind the other and once opposite to each other. The rail height varies from about 0,35 m to 1,35 m.

2. Technical data - Seastorm

Building year	1984
Manufacturer	Heinrich Mack GmbH & Co.
Capacity per vehicle	2 persons
Capacity per hour	approx. 960 persons
Number of vehicles	20
Diameter of the rail rim	11,8 m
Maximum velocity	9,5 r/min.
Main drive	6 motors each 5,5 KW
Gondola turn device	1 motor each 0,55 KW

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### 3. Starting the "Seastorm"

Before going into daily operation with passengers, some test runs have to be done at which the unit is checked as to its orderly condition as well as to the perfect function of the safety bars.

After turning on the main switch and the key-operated switch at the control desk the ride is ready for operation.

### Driving

Adjust preselector to desired "stage" and "hand" or "automatic". When pressing the key "Start" the retaining brake is released. The unit starts driving.

At stage 1 the safety bars will be locked.

The gondolas of group I and II could be turned forward or backward as desired.

After the end of the prefixed time pressing the key "Stop" the unit comes to a halt, the gondolas are turning forward automatically. Via "Bremsen-Tippen - brake tipping" the speed of the drive is reduced until it stops.

The ride is completed after pressing the key "Festhaltebremse - locking brake", whereby the safety bars will be opened.

### Note:

Preselector on "hand" or "stage I" - no timer. The other switches of the control desk are intended for switching on and off the various light groups.

### Attention:

The emergency switch must only be pressed if danger exists for persons or the apparatus.

4. Maintenance of the apparatus "Seastorm"

The following parts and functions of the apparatus must be maintained daily, also during operation, according to the following instructions.

4.1. General

Check all connectors and their safety devices. The gondola arms and all parts of the gondola must be mentioned as especially important parts.

Check the gondola safety bars constantly for perfect functioning. Repair punctually all worn out and possibly non-circularly running solid rubber tyres.

4.2. The following lubrication points must be maintained as follows:

4.2.1. Arm suspension

In any case, before starting, lubricate each bolt daily. The fat must visibly gush forth everywhere.

Used type of fat: LGMT 3 from SKF or equivalent fat according to the enclosed specification.

4.2.2. Running wheels: approximately every third month 3 - 4 splashes of fat out of the fatpress. Use the standard ball bearing fat.

4.2.3. Antifriction bearing in the intermediate construction: Maintenance according to the enclosed print KD 114-1

4.2.4. Open toothed gear drive of the gondola rotary device  
During the first 14 days daily, then weekly.  
Fat type used for the open toothed gear drives:  
according to the enclosed print KD 114-1

4.2.5. Drive gondola torsion

Maintenance and spare parts according to the enclosed information sheets: V 2887, technical drawing and Spare parts for Cavex Motor.