



ABA SCIENCE PLAY
Playgrounds of Tomorrow

SPINNING UNIVERSE



PLAYGROUND IDENTIFICATION

Playground Name: SPINNING UNIVERSE

Supplier's Name: ABA SCIENCE PLAY

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Postal Code: 71799

City: Reut

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USAGE

Playing age over: Any age

Accommodates: 6 child. + 3-4 adults

Area: **50 m²** | 538 Sq. ft.

Overall Height: **2.2 m** | 7.06 ft.

Overall Weight: **580 kg** | 1276 lbs

INSTALLATION NOTES

Moderate risk of vandalism

Playground must be installed on a fluent or damped floor. The soil forming the area where fall may occur must be respectively with standard NF EN 1177.

Type of ground where fall may occur: adapted to the height of fall from the playground according to the European standard EN 1177. Linoleum, fluent sand or similar soils.

Playground foundations: Concrete anchoring, sealing according specifications.

ASSEMBLY: See data sheet and assembly attached in accordance with Article 7 of the standard NF 54-201 and Article 6 of the standard NF EN1176-1.

USAGE MANUAL

You are welcome to get the carousel and explore the solar system.

Our solar carousel is moving environment different planets, which all together make up the solar system, which is one of many systems in the Milky Way.

The planet on which we live, is one of the closest stars to the sun!

Began to spin the carousel and watch the Earth, moon and sun rotating around each other.

LAWS OF PHYSICS

You know the feeling, "drawn" out carousel? This centrifugal force. Your body strives to remain in place but the carousel rotates so guests feel as if you are thrown out.

To not "be thrown" out of the carousel during the rotation, is a force that returns you back toward the center of the circle. It is the centripetal force.

Can you throw a ball to each other while rotating carousel? Not an easy task. The two occupants' carousel moves in a straight line. When the ball delivered to them while rotating carousel is swerves right in relation to the carousel because he is not circular motion. Force should be applied to "align" the body in a circular motion is the Coriolis Effect.

MATERIALS THAT USED TO BUILD THE PLAYGROUND

STAINLESS STEEL AISI-304

CARBON STEEL AISI-1020

CARBON STEEL AISI-1040

ALUMINUM ALLOY 5052-H32

PVC

ABS

POLYCARBONATE

STAINLESS STEEL/GALVANIZED STEEL SCREWS & NUTS

PAINT APPLIED ON THE PLAYGROUNDS IS UNLEADED HIGH TEMPERATURE PAINT

STEEL PARTS BEFORE PAINTING ARE COATED WITH ZINC

ELECTRONIC SYSTEM THAT INCLUDE MOVEMENT, SPEAKER & LIGHTING

STANDARDS THAT THE PLAYGROUND CORRESPONDS

ISRAELI STANDARD (SII)

GERMAN STANDARD (DIN)

PLAYGROUNDS WILL BE MAINTAINED BY THE COMPANY FOR 3 YEARS.

MAINTENANCE & INSPECTION PROCEDURES

The playground manufactured by A.B.A. Science Play Ltd. is produced to the highest standards. To allow users to fully enjoy playing on the equipment, to continue using the equipment safely and to maintain the equipment as it is intended for use, the following maintenance procedures should be carried out regularly at intervals as described.

MONTHLY CHECK:

- ✓ Visually check that equipment is in order, identifying any possible dangers due to vandalism or weather damage.
- ✓ Check that all screws are tightened and in place.
- ✓ Search for any missing parts.
- ✓ Check for cracks in the plastic components.
- ✓ Check that the system is in proper working order.

EVERY THREE MONTHS

- ✓ Check stability of the equipment.
- ✓ Ensure that plastic components are not broken.
- ✓ Check that the system is in proper working order.

ANNUAL CHECK

- ✓ Check the foundations and the ground anchors.

Check the construction/equipment thoroughly. If during any of the checks, any problem is found, refer to the local agent/distributor to repair the problem as soon as possible.

NOTES:

- Inspection and maintenance of the equipment should be accordant with supplier instructions (see attached maintenance procedure).
- If the equipment is not safe, public access should be prevented.

MAINTENANCE NOTES

Caution!

Maintenance intervals mentioned above should be understood as recommendations. The frequency of inspections must be increased based on intensive use of equipment, extreme weather, for installations near the coast or in areas that are often subject to vandalism and age of the equipment!

In addition to the maintenance recommendations provided by the manufacturer, it is absolutely necessary to comply with the requirements specified in DIN EN 1176-7!

In exchange or repair parts, always use original replacement parts for reasons of operational security and for liability reasons!

If the game has been partially installed or removed for maintenance or repairs, it may cause injury risks to user. For this reason, make it clear that the game is out of service.

To maintain a good appearance of your playground over a long period of time, it is necessary to maintain stainless surfaces resistant to corrosion risks.

In low rainfall areas, it is important to do regular cleaning of dust and pollution caused by deposits.

Do it with a pressure washer.

For stubborn deposits use a clean cloth moistened with special cleaning liquid (eg phosphoric acid) and quickly rinse with clear water. When cleaning with mild abrasive elements, just wipe the surface of the steel- inoxydable in a polishing motion.

For heavily soiled surfaces, it is possible to use a polish (eg for cleaning chrome on vehicles). For greasy and oily traces, use alcohol cleaning agents and solvents (for example ethyl alcohol, isopropyl alcohol or, acetone).

Do not use chloric acid or hydrochloric or scouring powder or bleach.

The cleaning intervals depend on the type and degree of soiling and the visual appearance of the equipment. We recommend a cleaning every 6 to 12 months - in the case of heavy soiling the playground equipment should be cleaned at intervals of 3 months.