

### Play value

Nine freely suspended spheres are hung in a row, touching each other. If the first one is pulled back and released to collide with the others, something truly amazing can be experienced. The impact force of the sphere travels unseen through the whole row of spheres until it finds its opposite number, the last sphere, which is forced outwards and with almost equal energy, returns to collide with the row of spheres. The procedure is repeated until the force is dissipated. One or more spheres can be used to create endless variations and number games in a variety of rhythms. The laws of elasticity and energy can be experienced.

### Fundamental characteristics

- Unique and original
- Attractiv design
- Incentive for playing: Curiosity

### Recommended for

- Kindergarten children
- School children
- Young people
- Adult
- Senioren



Order No. 10.11010 Impulse Spheres, Frame of stainless steel



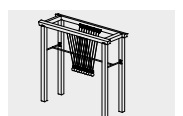
Order No. 10.11010 Impulse Spheres with Frame made of stainless steel



Order No. 10.11000 Impulse Spheres

Acoustic effect	medium
Vandalism	slightly vulnerable
Supervision	not necessary
Explanation Board	recommended
Installation	indoors and outdoors
Safety check (EN 1176)	has been completed
Installation in concrete	possible

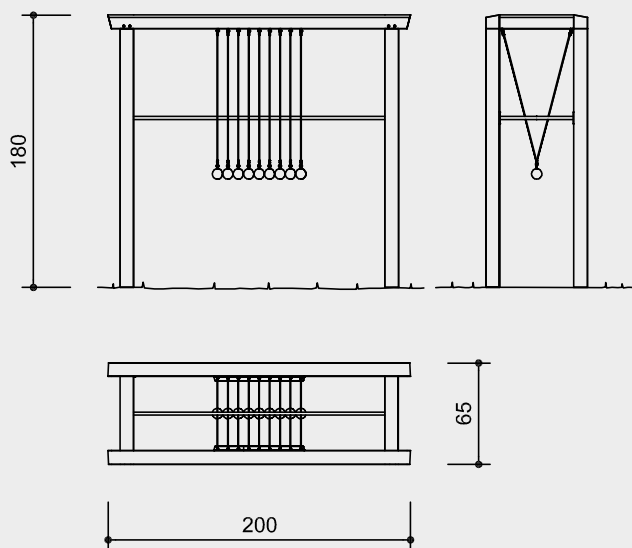
**Impulse Spheres**  
**graubner** Play Stations  
for Developing the Senses



10.11000

**Order No. 10.11000**  
**Impulse Spheres**

Safety distance →  
Device dimensions —●—  
Functional distance —|—



Scale 1:50

Safety check according to DIN EN 1176

**Components**

- 1 Complete piece of equipment with steel feet and 9 stainless steel spheres

**Trademark**

30 2005 500 000 Germany  
40-0682207 South Korea

Explanation board on request

**Installation information**

Recommended space  
4.05 x 3.00 m

Foundations  
2 items 40 x 100 x 40 cm  
Excavation depth 60 cm

**Attention:**

**Exact measurements may vary;  
for all installation dimensions refer  
to current assembly instructions.**  
Technical changes reserved.  
**Frame also available made of  
stainless steel (Order No. 10.11010).**

**Technical information**

Frame made of oak

**Core-free**

Sawn-timbers core-free, thus decreasing occurrences of cracking and undesired changes in shape



**Ground anchor**

All parts used for anchoring to the ground are made of hot-dip galvanised steel or stainless steel



**For more detailed explanation of the quality characteristics see price list.**

Only wood joints in accordance with traditional carpentry

Suspended on stainless steel cable

Fastening of suspension frame using adjustable attachments

High-quality, specially hardened stainless spheres (Ø 70 mm), for optimum impulse

Angle and limiting bar made of stainless steel

**Dimensions**

(small deviations possible)

Height	1.80 m
Length	2.00 m
Width	0.65 m
Weight	110 kg



**10.11000**