



Order No. 10.14005 with support Frame made of stainless steel

### Play value

The Moiré Disc is an exciting and surprising perception game. First the front, transparent disc is turned, so that the pattern of each disc lies exactly on top of the other. If it is turned a little further, the lines appear to swell, where the front and back discs still run almost parallel, the angle becomes larger, the lines decrease in size. Thus, the eyes can visualise the connection between the darker areas – new patterns and lines appear. If it is turned further, movements and new movement directions are created: a tremor flows through the disc like a tremolo in music, e.g. in church music. This can also be seen with waves in the water, where the superposition of waves either cancels out the wave swells or, conversely, transforms them into giant waves. Superpositions of waves can be calculated in optics, acoustics and fluid dynamics using the same formula. Therefore, this is about a universal phenomenon which contributes to perceptual understanding.

### Recommended for

- School children
- Young people
- Adults
- Older people
- Public play areas without supervision, such as playgrounds, parks or similar



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Order No. 10.14100 for wall attachment

Vandalism	vulnerable in non-supervised areas
Supervision	not necessary
Explanation Board	recommended
Installation	indoors and outdoors
Safety check (DIN EN 1176)	not necessary
Installation in concrete	possible

**Moiré Disc**  
**graubner Play Stations**  
 for Developing the Senses

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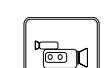
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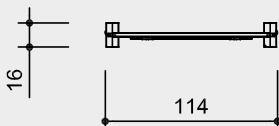
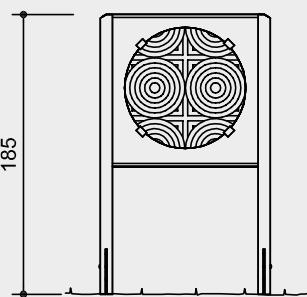
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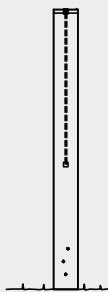
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10.14000

**Order No. 10.14000**  
**Moiré Disc**


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



Safety check according to DIN EN 1176

**Components**

1 Moiré Disc  
 1 Frame with steel feet  
 and installation plate

**Trademark**

30 2005 500 000 Germany  
 40-0682207 South Korea

Explanation board on request

Scale 1:50

**Technical information**

Equipment 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

**Roller bearings**

High-quality roller bearings made of chrome steel or stainless steel for rotating elements, easy to maintain and exchange, sealed

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

Impact- and weather-resistant acrylic glass held in four corrosion-proof bearings

Large-diameter board with thick, transparent and completely non-smear UV-proof outer disc

**Dimensions**  
 (small deviations possible)

Height	1.85 m
Width	1.14 m
Depth	0.16 m
Board	1.00 x 1.00 m
Disc diameter	0.86 m
Weight:	100 kg

**Installation information**

Recommended space  
 3.00 x 2.00 m

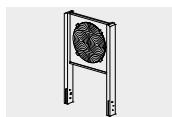
Foundations  
 2 items 40 x 40 x 50 cm  
 Excavation depth 70 cm

**Attention!**

**Exact measurements may vary, for all installation dimensions refer to current installation instructions.**

Technical changes reserved.

**Equipment also available for wall attachment (Order No. 10.14100) or with frame made of stainless steel (Order No. 10.14005).**



10.14000