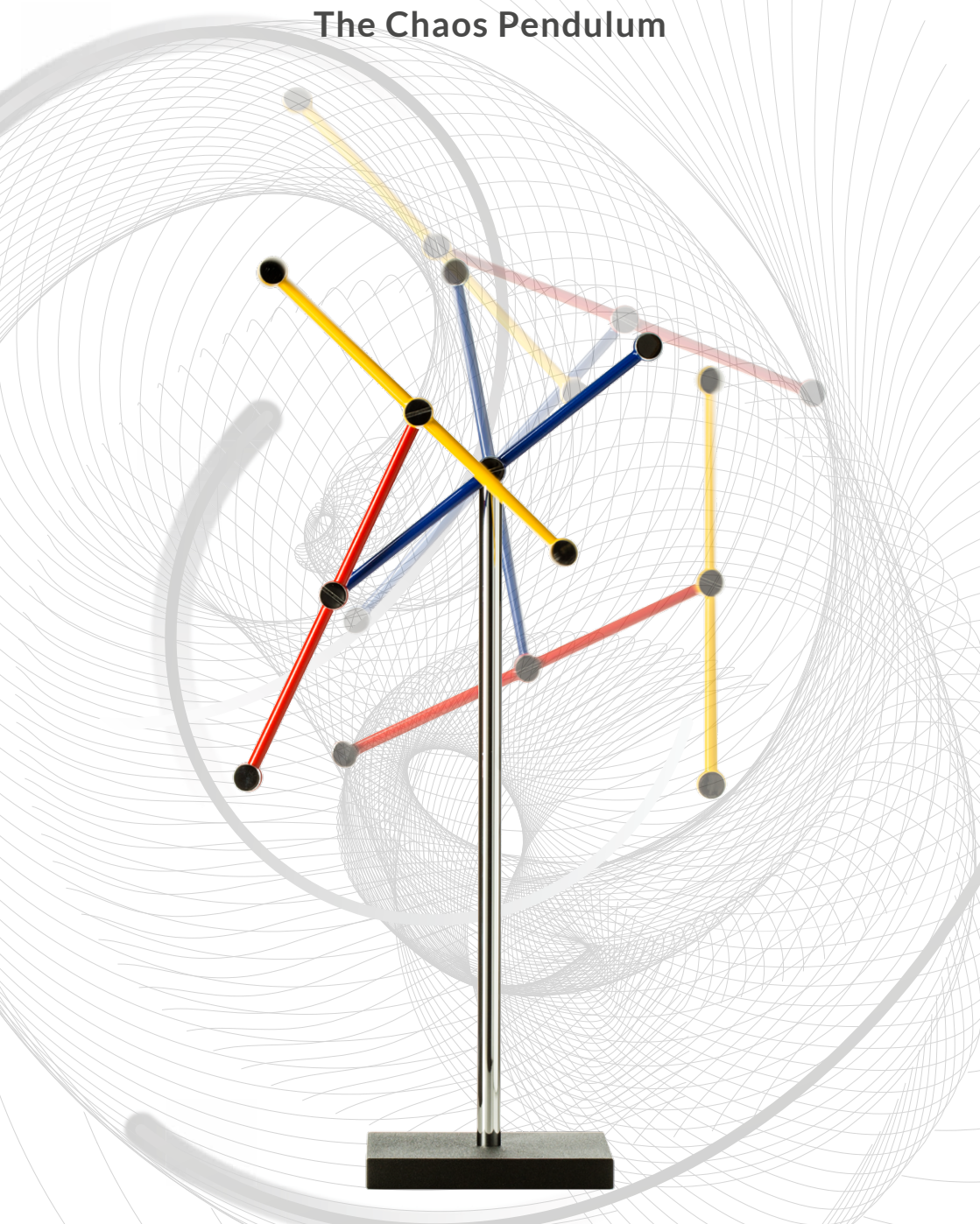


TRIPENDULUM®

The Chaos Pendulum





THE CHAOS PENDULUM

We can't see it, can't smell it, can't feel it, and yet it is there. It surrounds us and is part of our daily lives. It ensures that our life on this planet and in the universe we know follows predictable rules, but remains unpredictable. We encounter it every day and yet we are seldom aware of it.

Chaos

It is only a small part of the known world, but influences our daily life much more than we realize. Even the weather on our planet gives an impression of the power of chaos. The traffic in the cities, our professional and private lives are filled with chaos, sometimes more, sometimes less, but always present. It is responsible for the moments of excitement in our world. Without chaos our life would be dull and monotonous.

Chaos is excitement

One of the very few ways to make chaos visible and comprehensible is the triple or chaos pendulum. It can directly relate to our lives, to our decisions and their consequences. Contemplate the fascinating play of the three swing arms, let your thoughts follow their movements and be surprised by the unexpected twists and changes.

The movements – unpredictable

The play of forces – intangible

The movement of the swing arms impressively conveys the often very fine line in making a decision and the exciting and sometimes unbelievable results of these decisions.

Gabriel Schneck has given the Chaos Pendulum a modern design in conjunction with high quality materials and named it Tripendum®.

History

Prof. Dr. Hans-Peter Dürr, then head of the Max Planck Institute for Physics and Astrophysics and successor to Werner Heisenberg, encouraged the development of my first chaos model. As a good friend of the family he came to me many years ago with an adventurous construction of flat bars and metal discs and asked if the "Trippelpendel", as he called it, could be made more attractive and above all more functional. I learned a lot about the scientific background of this pendulum arrangement.

The „three-body problem“ sun-earth-moon, for which one was looking for a calculation method and after many years also found a “solution“. The result was that there is no solution. A fascinating and at the same time incredible story. Thus the development of chaos models began and the first prototypes were created. Hans-Peter Dürr compiled calculations, as far as they could be carried out.

Over the following years, the first model was continually developed. Bit by bit the initial difficulties were overcome and a product created that could be built in small series. It was followed by new, larger models, and finally in 2017 the smallest model, the Tripendum® 50 Mini was developed. Today, the chaos models of the Tripendum® range are high quality and durable manufactured products characterized by high-grade materials, expertly finished surfaces and the highest mechanical precision.

Every pendulum built is a tribute to Hans-Peter Dürr, to whom I owe the fascination for the subject of chaos.

TRIPENDULUM® 50 Mini

The smallest model in our Tripendum® collection – a masterpiece of precision mechanics.



100 x 100 x 290 mm | Weight: 1100 g

The newest and smallest pendulum of the Tripendum® 50 series is filigree and moves faster than its bigger family members. The swing arms are anodized. The base is made of finely textured black powder-painted steel. The size corresponds to approximately half of a Tripendum® 100. As a high-quality customer gift, it can be customized according to your wishes. Ask for the details and look forward to a surprise. The mounting rod and fittings are made of steel and different metals. The surfaces of the fittings are polished and chrome-plated. The swing arms are anodized in silver and black. The bearings are protected against dust and dirt. *All components are manufactured exclusively in Germany.*



TRIPENDULUM® 100 Color Edition

The classic among the Tripendulum® series has been built since over 15 years and is available in individual color combinations. Each pendulum is manufactured exactly according to your color requirements.



The following colors (swing arms only) are available:

■ Black	high-gloss
■ Red	high-gloss
■ Yellow	high-gloss
■ Blue	high-gloss
■ Green	high-gloss
■ Natural aluminum	EV 1 anodized natural (silver-colored)
■ Chrome-plated aluminum	polished and chrome-plated

The steel base is powder-coated black with a fine texture. The swing arms are fine-mechanical precision-made metal components, available in a wide variety of surface finishes and in any desired combination.

The mounting rod and fittings are made of steel and different metals with polished and chrome-plated surfaces. The bearings are protected against dust and dirt. *All components are manufactured exclusively in Germany.*



160 x 160 x 580 mm | Weight: 5150 g

TRIPENDULUM® 100 Black Edition

A pendulum in silver-colored aluminum and high-gloss black, combined with a black granite pedestal.

This edition has two swing arms with a black, high-gloss surface. The middle swing arm is made of matt, silver-colored aluminum look. The base is made of 30 mm polished Nero Assoluto granite, giving the pendulum a timelessly modern line. The mounting rod and fittings are made of steel and different metals. The surfaces are polished and chrome-plated. The bearings are protected against dust and dirt. *All components are manufactured exclusively in Germany.*



220 x 220 x 615 mm | Weight: 5450g

TRIPENDULUM® 100 White Edition

White and timelessly elegant. This pendulum captivates with three high-gloss white swing arms and a stylish polished Carrara marble pedestal.



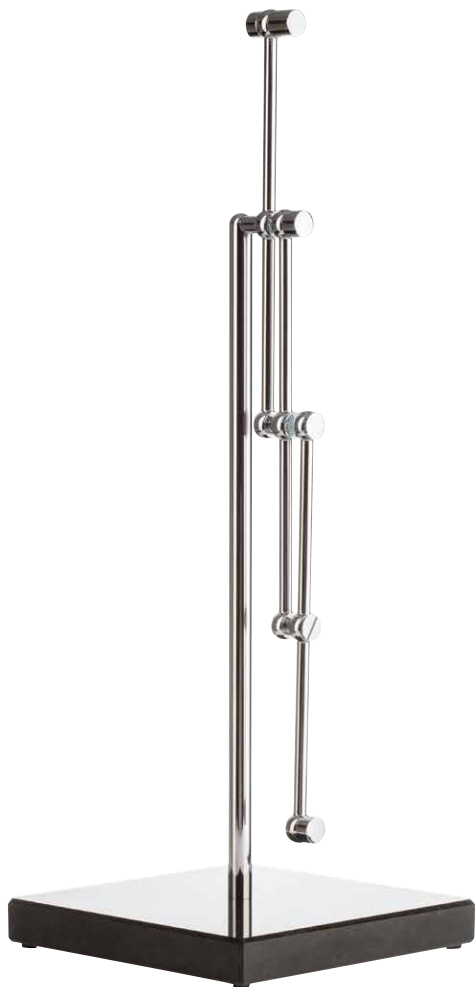
The color combination of white and chrome stands for timeless elegance and value. All three swing arms feature high-gloss white surfaces, and in combination with the polished chrome-plated fittings, provide a pendulum with a luxurious yet modern esthetic. The appearance is perfected by a 30 mm thick polished Carrara marble base. The mounting rod and fittings are made of steel and different metals. The surfaces are polished and chrome-plated. The bearings are protected against dust and dirt. *All components are manufactured exclusively in Germany.*



220 x 220 x 615 mm | Weight: 4900 g

TRIPENDULUM® 100 Chrome Edition

A dream in chrome and black granite.



A dream in chrome and the top model of the T-100 series. All three swing arms as well as all fittings are polished and high-gloss chrome-plated. It reflects its surroundings in a thousand facets. Its movement unfolds a very special mysticism – a captivating game with the light. The pendulum is enhanced by a black 30 mm thick, polished Nero Assoluto granite base. The mounting rod and fittings are made of steel and different metals. The surfaces are polished and chrome-plated. The bearings are protected against dust and dirt. *All components are manufactured exclusively in Germany.*



220 x 220 x 615 mm | Weight: 5470g

TRIPENDULUM® 200 Silver Edition

We call it »the lecturer pendulum«. Especially suitable for schools and for anyone traveling. Maximum mileage and dynamics with minimal weight.



This model shows a chaotic system in absolute perfection. In order to dissipate the high forces arising through the movement, the T-200 series pendulum is equipped with a large table clamp. Thus it can be easily attached to tables with substructures (for instance in lecture halls). This stable connection with the surface below has made it possible to increase the moving masses to a maximum. As a result the movements are slower, strong and very dynamic.

The table clamp is made of colorless anodized aluminum with a strong screw fastening. The mounting rod and all fittings are made of aluminum and steel. The precision bearings are protected against dust and dirt. The fittings are polished and high-gloss chrome-plated.



100 x 100 x 790 mm | Weight: 2670 g

TRIPENDULUM® 200 Black Edition

Black and matt-silver aluminum surfaces. Timeless esthetics and maximum dynamics in perfection.



The color combination is elegant and modern with a purpose in mind. In the T-200 series Black Edition the table clamp is black anodized and the mounting rod bar is black powder-coated. Thus these components recede into the background and the eyes focus on the three anodized aluminum pendulum rods. What remains is the pure movement. This pendulum delights by its superior quality and the combination of black and matt silver aluminum with stylish chrome. The table clamp is made of black anodized aluminum with a strong screw fastening. The mounting rod is black powder-coated. The precision bearings are protected against dust and dirt. The fittings are polished and high-gloss chrome-plated.



100 x 100 x 790 mm | Weight: 2670 g

TRIPENDULUM® 200 Chrome Edition

An esthetic pleasure at the highest level of power and dynamics.



The Chrome Edition is the top model of the T-200 series. The swing arms and fittings are polished and chromeplated, which at the size of this pendulum makes a fantastic impression. The reflection of its surroundings is constantly changing. Points of light on this pendulum produce especially fascinating reflections and plays of light. The dynamics of the movements are enhanced by the reflective surfaces. The table clamp is made of black anodized aluminum with a strong screw fastening. The mounting rod is black powder-coated. The precision bearings are protected against dust and dirt. The fittings and the swing arms are polished and high-gloss chrome-plated.



100 x 100 x 790 mm | Weight: 2690 g

TRIPENDULUM® 300

The biggest pendulum in our collection. The ultimate dream in breathtaking dimensions. Movement, dynamics and running time in the highest perfection and timeless esthetics.

If you want to go to the the maximum, to the limits of the possible, this pendulum will take your breath away. It's as big as it gets. Just starting the arm-length pendulum rods already gives you a sense of the power in this pendulum. The quality of the components leaves nothing to be desired. The pendulum can be ordered either with the base plate alone or with the floor frame. No matter how you want your pendulum, you will be thrilled.

But beware, once you start, you can't stop, but starting the pendulum needs practice. A variety of design options is possible. Each pendulum is made individually for you and all your wishes can be taken into account. Colors, surfaces, labels. Everything is possible.

Make an appointment to discuss the different options. Price on request.

Technical specifications::

500 x 500 x 910 mm | Weight: circa 100 kg

The weight depends on the material of the base plate (for example Nero Assoluto granite)

Fittings: polished and chrome-plated

Swing arms: anodized aluminum, steel and stainless steel

Technical fittings: steel and stainless steel

Technical data floor frame:

Footprint: 615 x 615 mm

Height: 725 mm to bottom edge of the granite plate

Diameter of feet: 110 mm

Surfaces: black powder-coated frame, polished and chrome-plated feet

The base plate and floor frame can be individually designed.





OPTIONS

Whether a flight case or locking device, carrying strap or choice of finish – there is a wide selection of accessories for your Tripendum® and your purposes.

T-100 FLIGHT CASE

High-quality, sturdy case and maximum transport protection for your Tripendum® 100.

The case consists of lightweight panels in combination with aluminum profiles and steel corners. The foam lining completely encloses your pendulum. The case is fastened by two lockable butterfly catches. The leather handle ensures comfortable handling.

Technical specifications:

Width: 220 mm

Height: 195 mm

Length: 6780 mm

Weight: 5980 g



T-200 FLIGHT CASE

High quality, sturdy case and maximum transport protection for your Tripendum® 200.

The case consists of lightweight panels in combination with aluminum profiles and steel corners. The foam lining completely encloses your pendulum. The case is fastened by two lockable butterfly catches. The leather handle ensures comfortable handling.

Technical specifications:

Width: 200 mm

Height: 162 mm

Length: 858 mm

Weight: 5380 g



Custom-made versions and individual wishes can also be implemented.

T-200 SWING ARM LOCK

For the presentation of a single, double and triple pendulum.

Many customers wish for the possibility to lock the pendulum rods for their particular application. Two swing arms can be connected via two ball pins. Depending on which pins you remove, you can show all pendulum variants. If you require a lock, it must be ordered when ordering the pendulum. The bolts are made of stainless steel and are corrosion resistant.

Please note: It is not possible to install the lock after production of the pendulum. Let us know if you want a lock when ordering your T-200. The swing arm lock is only available for the 200 series, with the exception of the Chrome Edition.



T-100 & T-200 CARRYING STRAPS FOR FLIGHT CASES

Carrying strap for more comfort on long trips. There is an optional carrying strap for all flight cases from TECHNIK UND DESIGN.

If required, this must be ordered when ordering a flight case, as a subsequent installation on the suitcase is no longer possible.

We are happy to advise you.

Technical specifications:

Width 50 mm

Black polyamide fabric with length adjustment
Eyelet fasteners on the aluminum case

Price overview at technik-und-design.com.

Technical specifications subject to change without notice. Granite and marble are natural products. The weights can therefore vary slightly. Tripendulum® is a registered trademark of Gabriel Schneck.

Copyright TUD Atelier Gabriel Schneck 2017



TECHNIK UND DESIGN

ATELIER GABRIEL SCHNECK

Lohmeierweg 9 | D-81245 Munich | Tel +49 89 59 99 87 68 | Mobile +49 160 90 39 23 07
info@technik-und-design.com | technik-und-design.com