

THOUGHT CONSTRUCTIONS

STRUCTURE MOVEMENT - STUDY

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ניר דטלר 22





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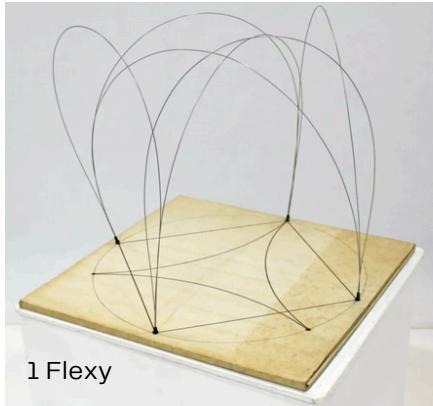
I believe that everything I deal with carries a lesson that fills me with the task of capturing it in a context and never embellishing it with a dot but seeing it as an open 'question of truth', that never ends and whose beginning I cannot define.

The project can be defined in two main subdivisions.

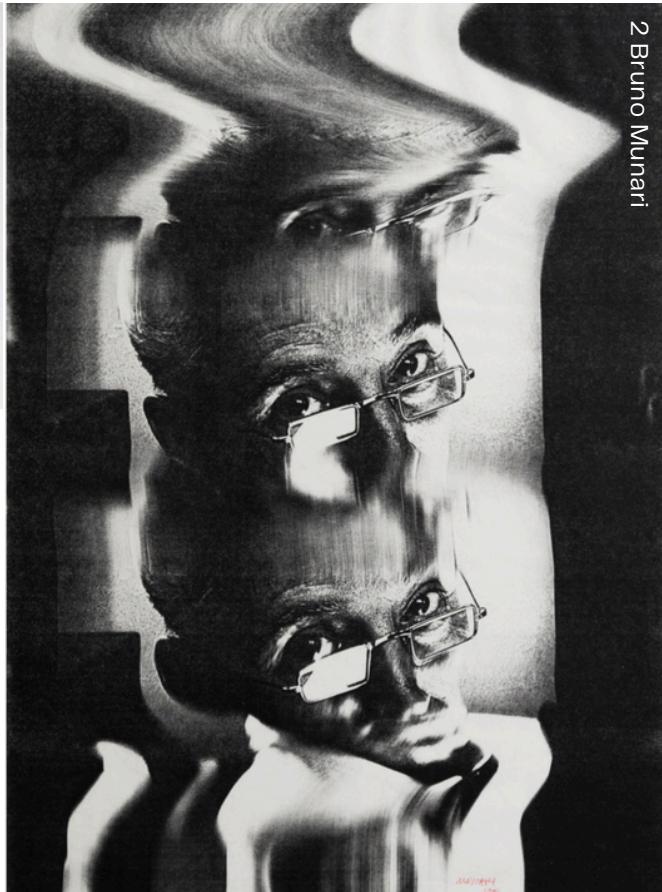
One: the technical understanding of the limits and potential of the steel spring material.

Two: The translation of my feelings into a context that the work with the material reveals to me.

Introduction ●



1 Flexy



2 Bruno Munari

guide inspiration

inspired by the work of Bruno Munari (Flexy, my Project presents a material study).

Based on the Tetrahedron structure (platonic solids) I connect spring strings with different diameters and weights.

As a result, in each object, the movement changes.

What is the Geometry behind ?

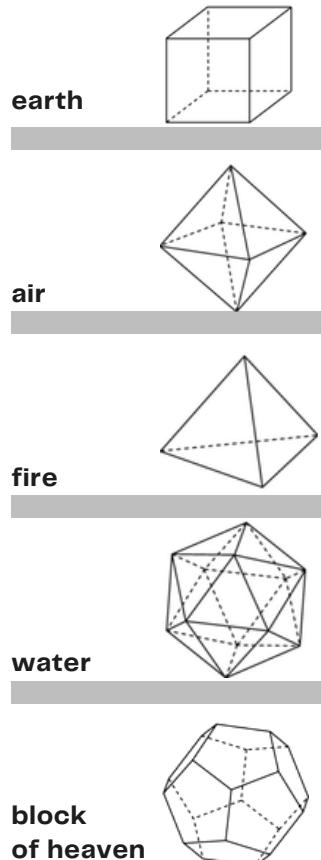
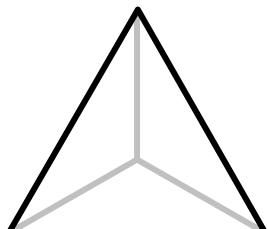
The Platonic solids (named after the Greek philosopher Plato) are the bodies with the greatest possible symmetry. They are delimited by mutually equal polygons. The same number of edges of the same length meet in each corner of the body, two congruent (completely equal) faces meet at each edge, and each face has the same number of corners.

Plato wrote about them and associated each of the four classical elements (earth, air, water, and fire) with a regular solid. Earth was associated with the cube, air with the octahedron, water with the icosahedron, and fire with the tetrahedron. Of the fifth Platonic solid, the dodecahedron, Plato indistinctly noticed "...the god used [it] for arranging the constellations on the whole heaven"



How is a Tetrahedron defined?

The tetrahedron consists of 4 triangular faces, 6 straight edges, and 4 corners.

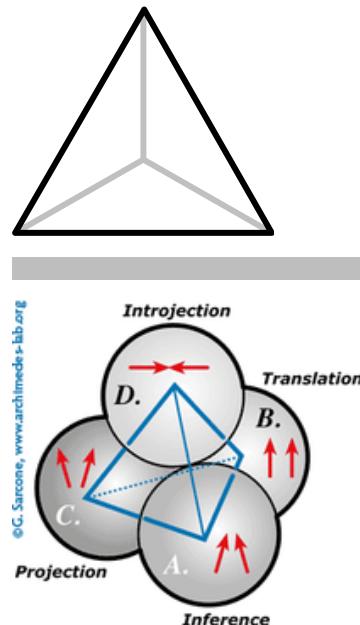


How the Tetrahedronal structure can be applied to thoughts?

The designer Sarcone describes thinking in 4 main thought patterns that touch each other, as shown in the adjacent diagram. Each pattern has its individual operational system (sphere) since it occupies a very different functional level.

'Shifting from one level of thought to another is like shifting gears in a car while driving. In fact, changing gears allows the driver to use a completely different speed range. But one gear isn't necessarily superior to the other: a low gear may allow for more power, while a high gear may allow for more speed. The same thing happens with the mind, you can sometimes swap one level of thinking for another to speed up or slow down the mental flow. If a problem cannot be solved within a certain thought pattern/level, it makes sense to find a solution on another thought pattern/level' (cf. chapter "Cos'è in fondo la logica", page 21, FantaLogica).

In my study, I extend this thesis is my own perception. I try to define individual thoughts and to substantiate them visually.



● Main Material Spring string

I worked with stainless steel springs

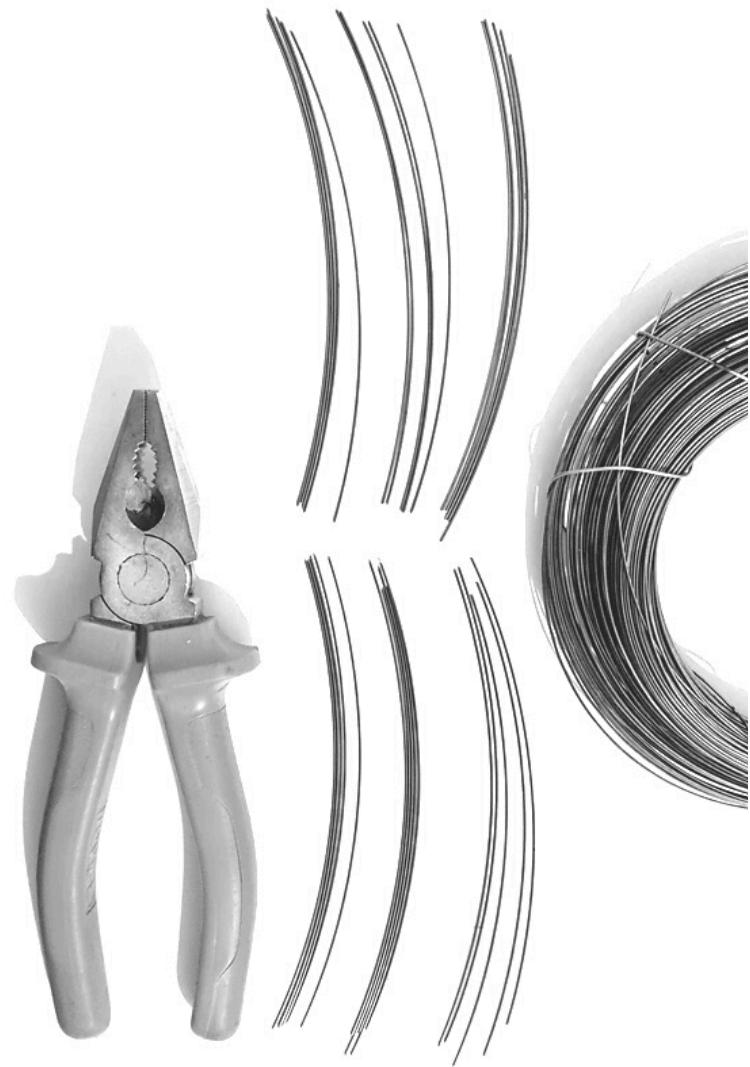
in various diameters:

0.5 mm

0.8 mm

1.0 mm

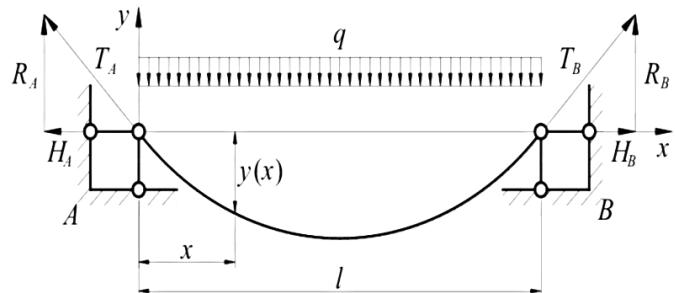
1.5 mm



How does the material define itself in the thought structure thesis?

How it is connected to the thought structures?

The material has crystallized as a wonderful metaphor for our world of thought. The tension of the spring, which leads to unexpected results of movement in different compositions, presents the thoughts as a living experience that does not stand still. The flexibility of the spring gives the thought a freedom to experience it personally. What I see is not what another person can experience in it.



Flexible thread = tension in our world

Flexibility = weirdness of humankind

Thinking: the talking of the soul with itself

-PLATO

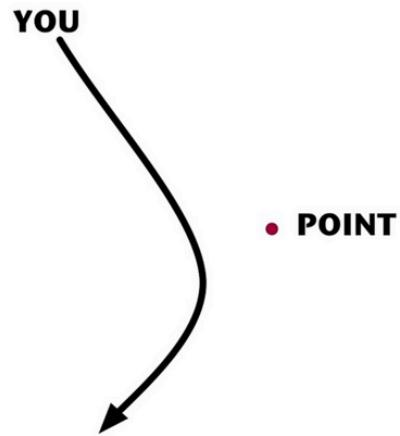


summary of my intention

Thinking is an incalculable part of our being. Working with the spring wire within the confines of the tetrahedon structure gives me the freedom to explore and study different constellations. Every small change in the structure results in a significant influence on the movement. (even in milli-millimeter differences)

The project presents a very personal engagement with one: the science of materials and two: the ordering of each structure into a thought.

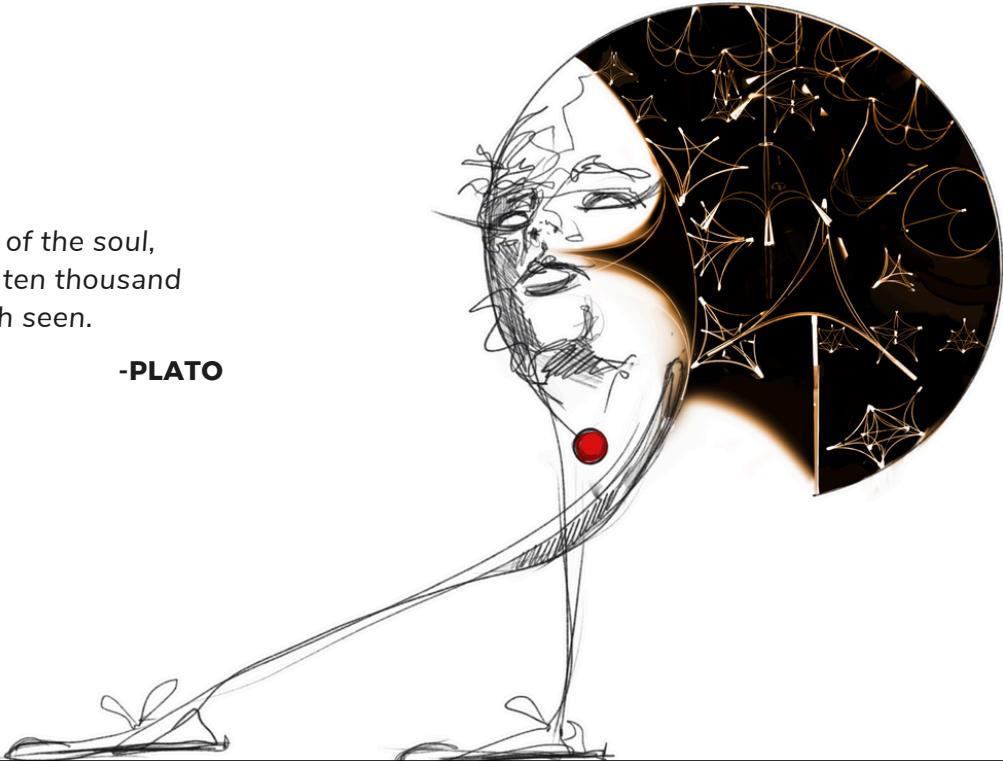
In my research for similar work I could not find any that dealt with the visualization of individual thoughts.

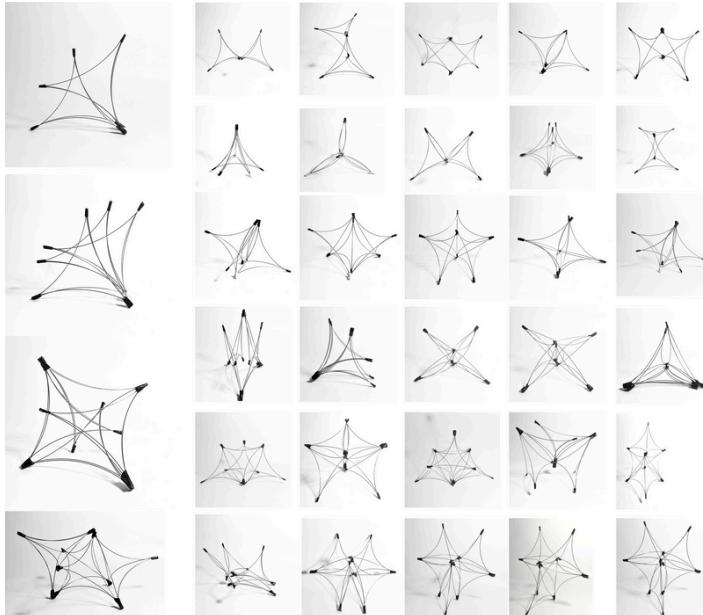


...in every human, there is an eye of the soul,
which...is more precious far than ten thousand
bodily eyes, for by it alone is truth seen.

-PLATO

Thought constructions



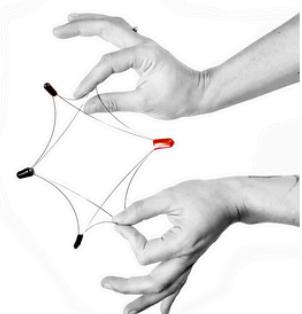


technical aspects

Stainless steel wire spring

Diameter 0.5mm

5x 120mm



FORMATION OF CLARITY

These five structures represent the thought process of creating clarity.

These structures are experiences of equal size and weight that we combine in milliseconds to recognize situations. The arrangement of the structures|experiences plays a role in recognizing clarity. The more logical the connection, the clearer the three-dimensional pattern|situation appears.



1



2

technical aspects

steel wire spring

Diameter 0.5mm

6x 380mm

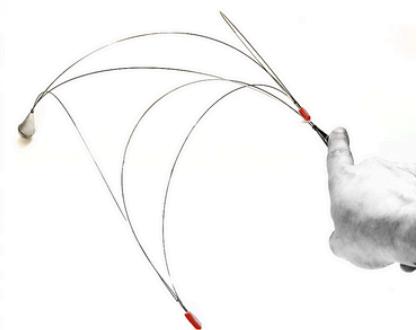
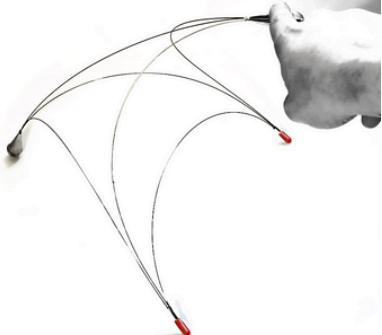
14mm plastic sphere

1.5x 2.5cm

aluminum cone

weight 3.5g

rubber caps



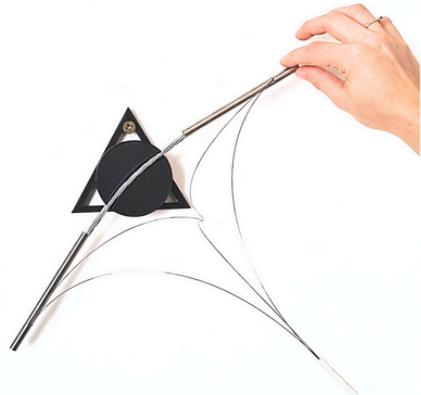
PROOF AND AGREEMENT

This structure has two main positions. I would like to represent these two positions as the mindset of proof and agreement. In the first position (**1**) (Proof), the structure is stable but allows rocking and vibrations, the process of verification. The evidence must be strong enough to bring the structure into agreement (**2**)



technical aspects

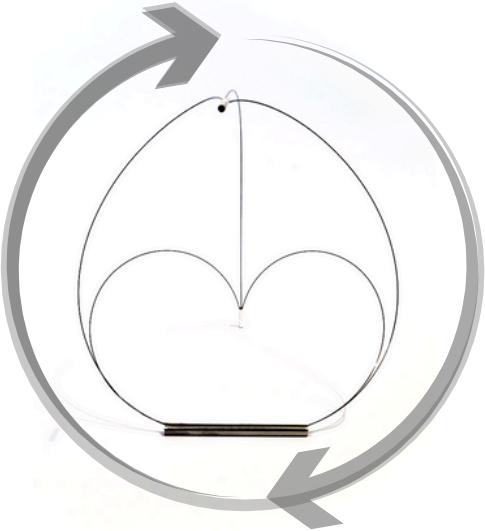
base plastic body with eccentric movement axe connected to object, required for wall
stainless steel wire spring
Diameter 0.5mm
5x 400 mm
1 path is thicker less flexible
10mm



DOUBTS

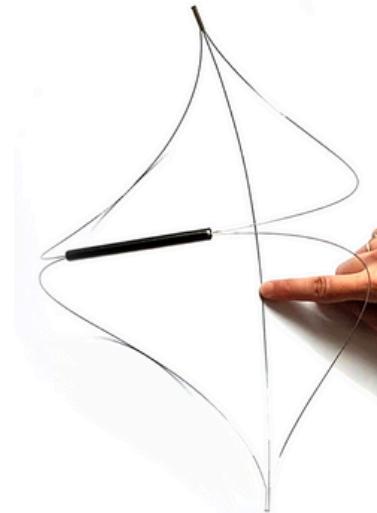
This structure represents Doubt. Doubt can be described as a mental state in which the mind is encircled by two or more conflicting thoughts. This state is an integral part of our consciousness, which is visualized in the model by attaching it to the wall. Even if the state of doubt is not always active, thoughts can get too close to the shooting process at any time and get into the throes of doubt.





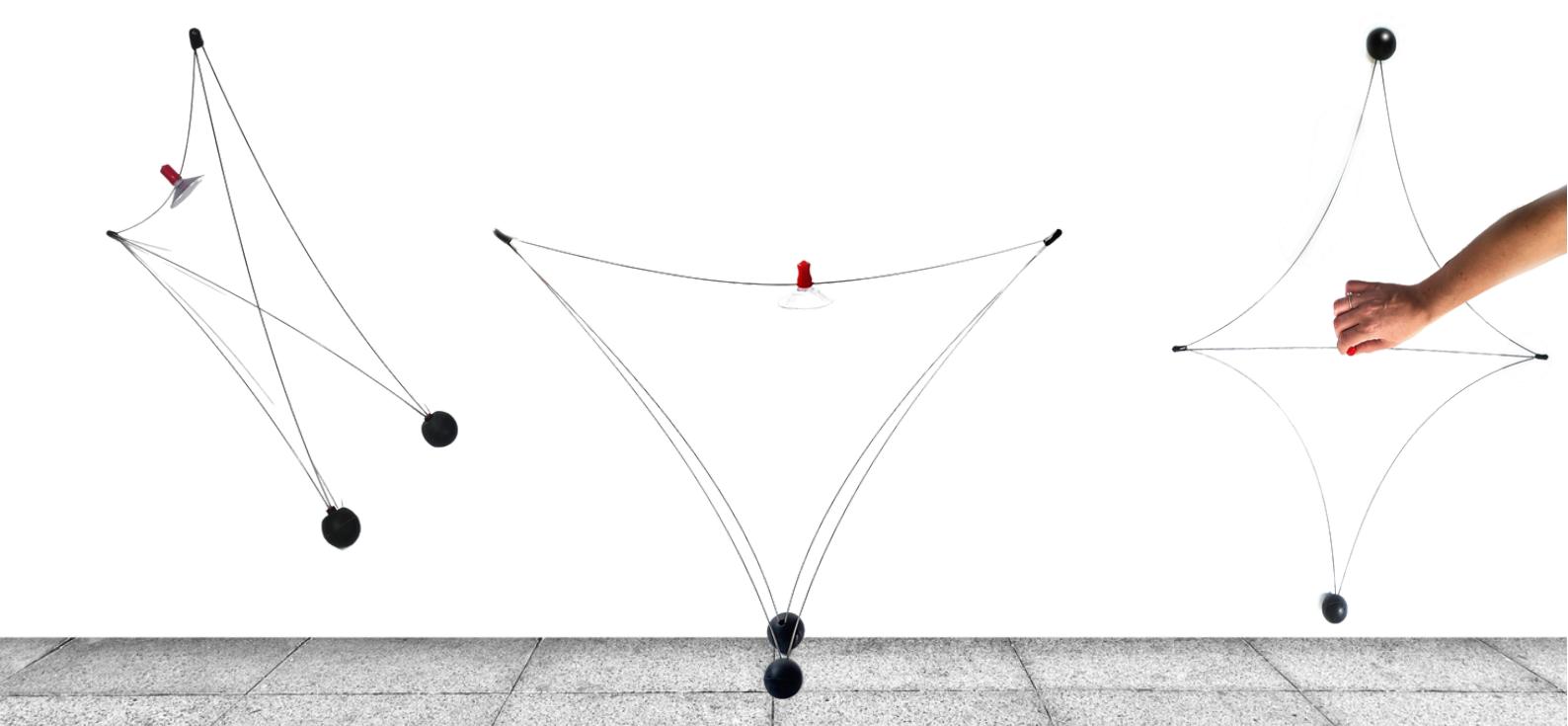
REPETITIVE PERCEPTION

This structure represents the process of repetition. The construct is constructed like a Nachum takum, in movement the construct always returns to its original state. Whenever we look at something, we perceive the object or situation and return to our original position to form other thoughts to process what we perceive.



technical aspects

Stainless steel wire spring
Diameter 0.5mm
5x 210mm
aluminium tube as connector



FLASH THOUGHT

this model presents a thought that appears as a flash in our consciousness and often brings an idea with it. The structure has a suction cup, that can be attached to the floor. After a few moments, it detaches in a flash, jumps up, and balances on the two balls for a second. The moment of balance in imbalance is the moment you hold your breath when such a thought arrives.

technical aspects

Stainless steel wire spring
Diameter 1.5mm
6x 500mm
2x rubber balls as weights
suction cup 4cm



REMINDER

This construct is a reminder thought. The combination of long feet gives the model an amplitude of wobbling. Like the thought that keeps shaking|reminding until the teeth are finally brushed, the gas plate been checked the fourth time, or the mobile phone was lost thought lost while holding it.



technical aspects

Stainless steel wire spring
Diameter 0.5mm
6x 350mm
4 steel tubes 15cm

technical aspects

Stainless steel wire spring

Diameter 0.8mm

5x 250mm

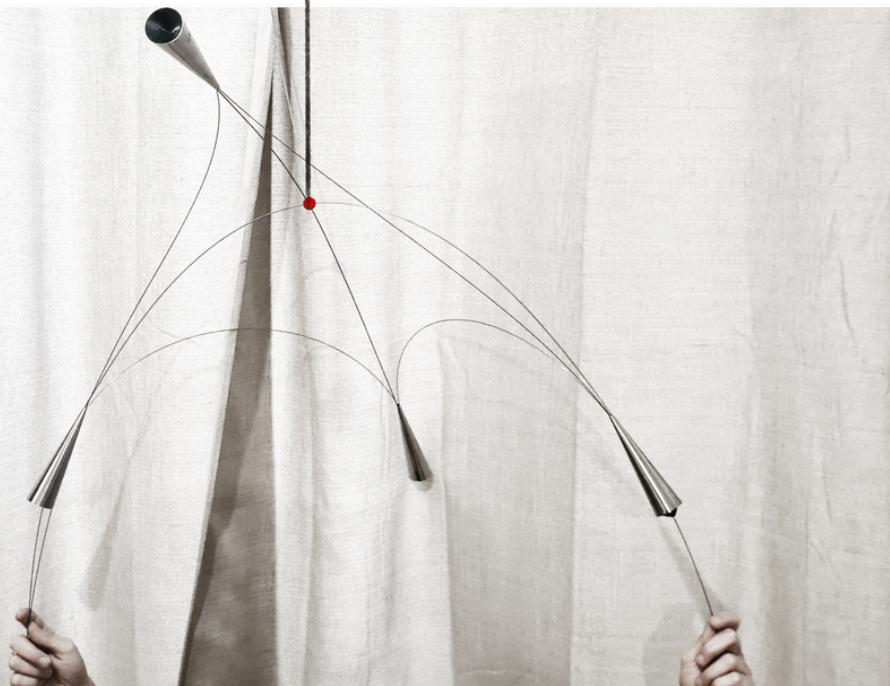
1x aluminium 15mm



BALANCE

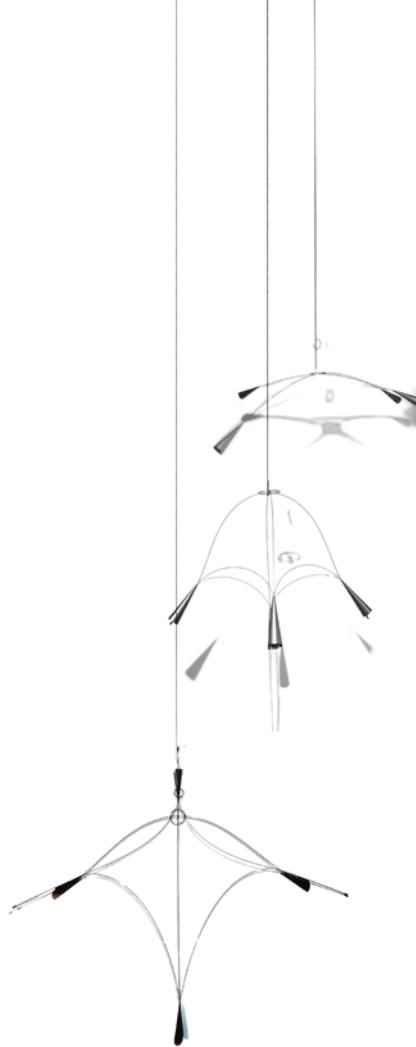
The desire for balance presents this model. Finding the point of balance is an emotional task.





UNDERSTANDING

This big-hanging construct is the thought of understanding. There are three main positions, open and closed, which can be achieved by pulling on the open ends. It's the same with understanding thoughts, like breathing, when you breathe in you have understood the whole world and when you breathe out everything is gone. Understanding is like an open thought organism that needs to be serviced, that needs freedom to cooperate with all thought forms.



technical aspects

hanging object
steel wire spring
Diameter 1.0mm x4
Diameter 1.5mm x2
6x 100 cm
cones 30mm
x15 cm length

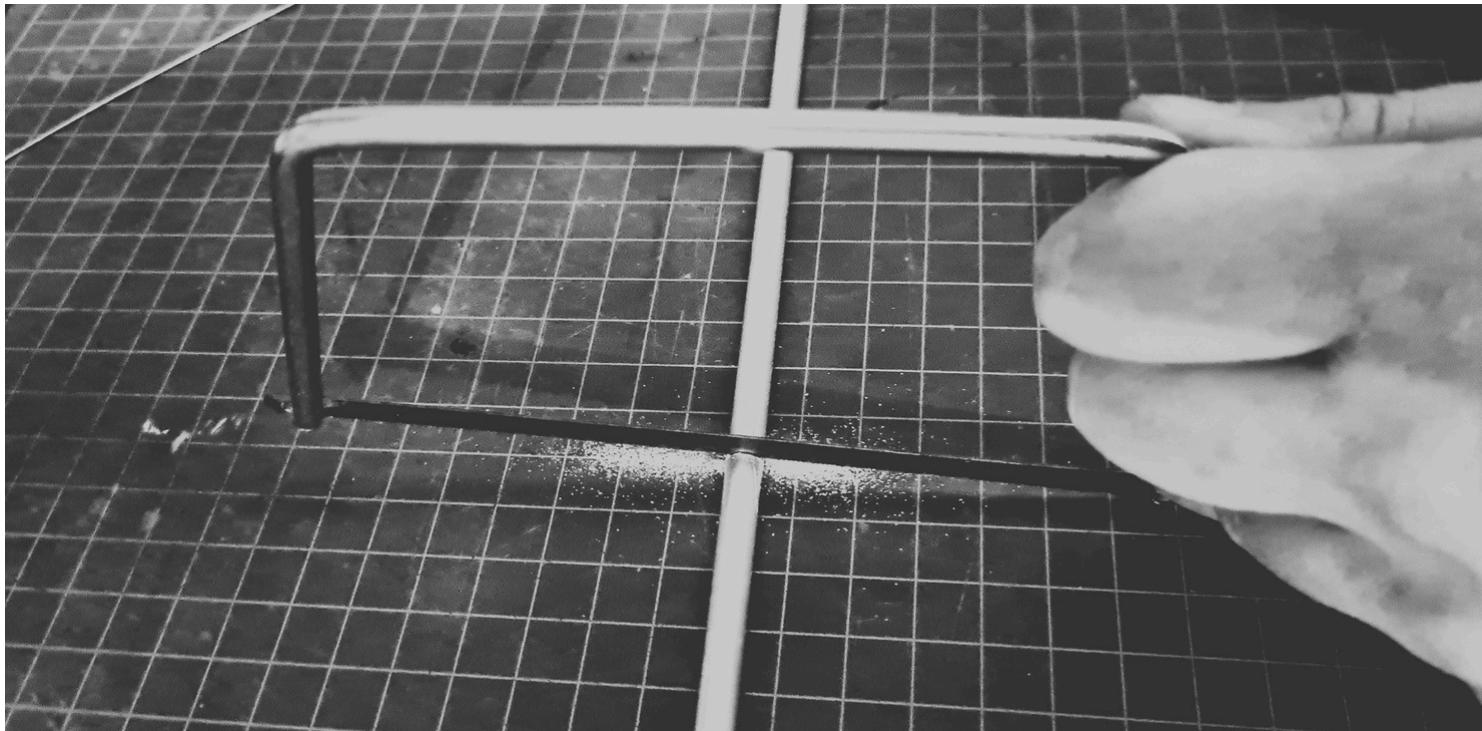


CATCH THE THOUGHT

this little bird is the thought flap through which we store information in memory.
The model works as shown above. Each clasp is provided with a sound that is affected by the tension of the spring and the material being inserted.

technical aspects

Stainless steel wire spring
Diameter 0.5mm
1x 450mm



process models ●

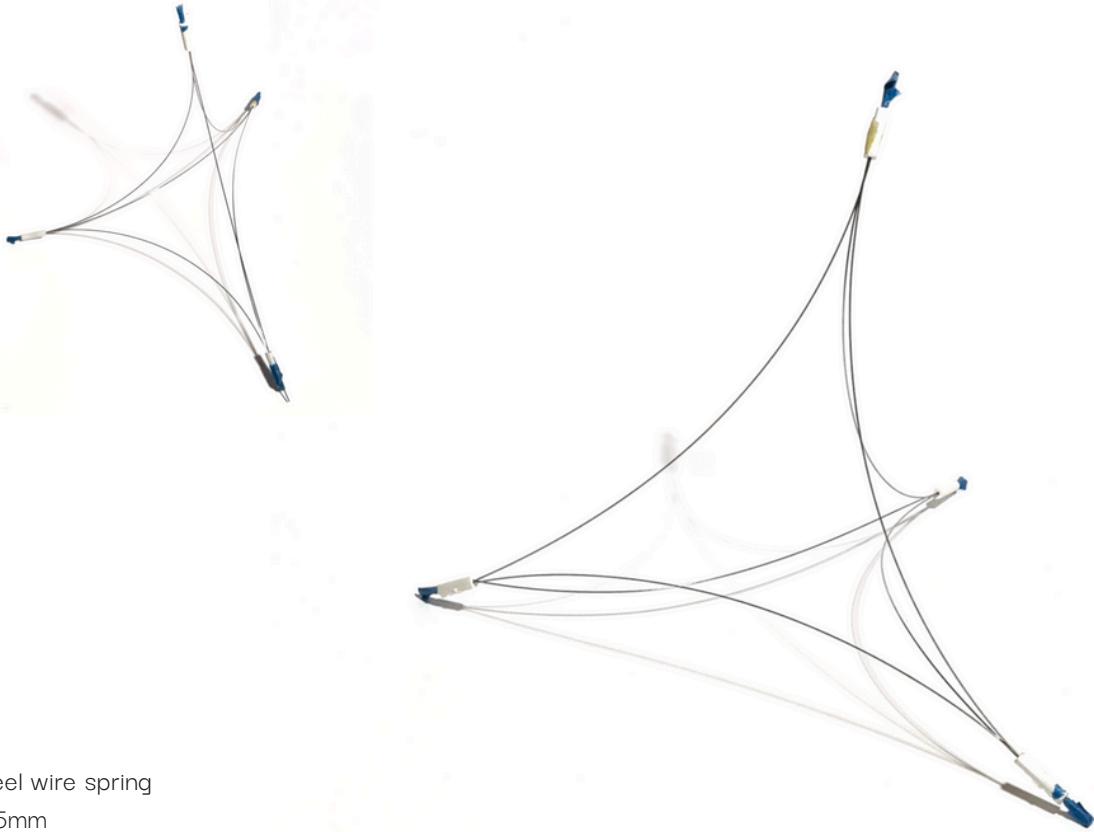


Stainless steel wire spring

Diameter 0.5mm

6x 380mm

14mm glass sphere weight 3.5g



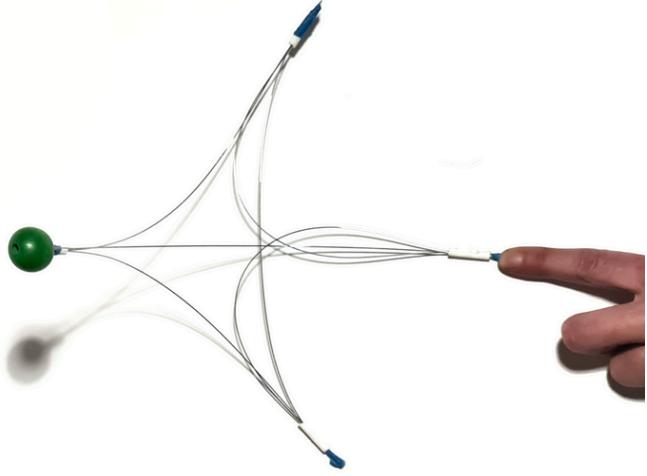
Stainless steel wire spring

Diameter 0.5mm

6x 280mm



Stainless steel wire spring
Diameter 0.5mm
6x 280mm
2 g weight





Stainless steel wire spring

Diameter 0.5mm

6x 350 mm

2 g weight

+7g in different places

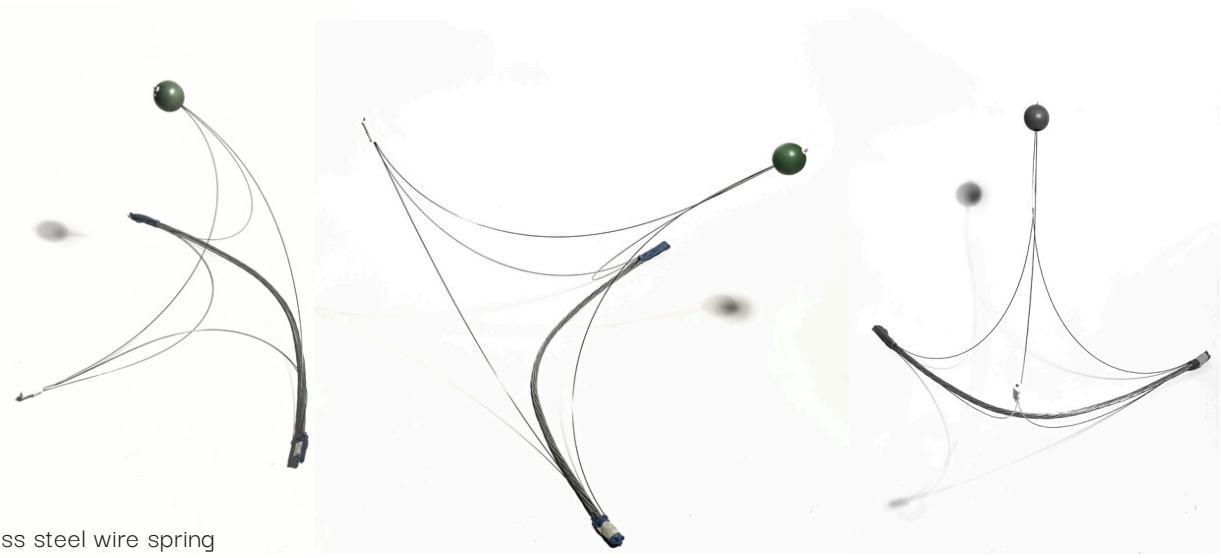


Stainless steel wire spring

Diameter 0.5mm

6x 580mm

100mm connector moving tubes



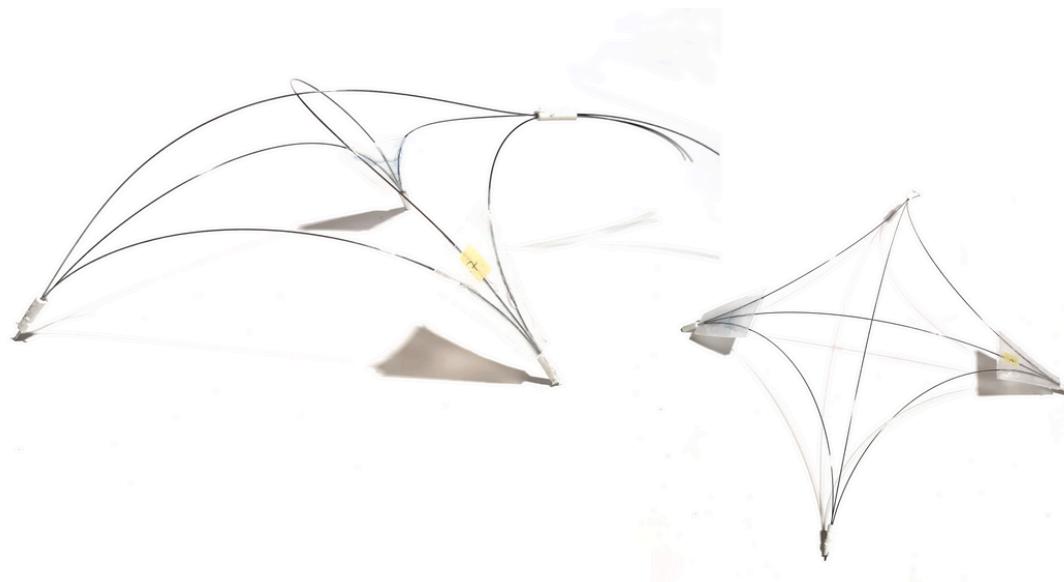
Stainless steel wire spring

Diameter 0.5mm

5x 400 mm

1 path is thicker less flexible

10mm



Stainless steel wire spring

Diameter 0.5mm

6x 380mm

2 parallel sites are stabilized



Stainless steel wire spring

Diameter 0.5mm

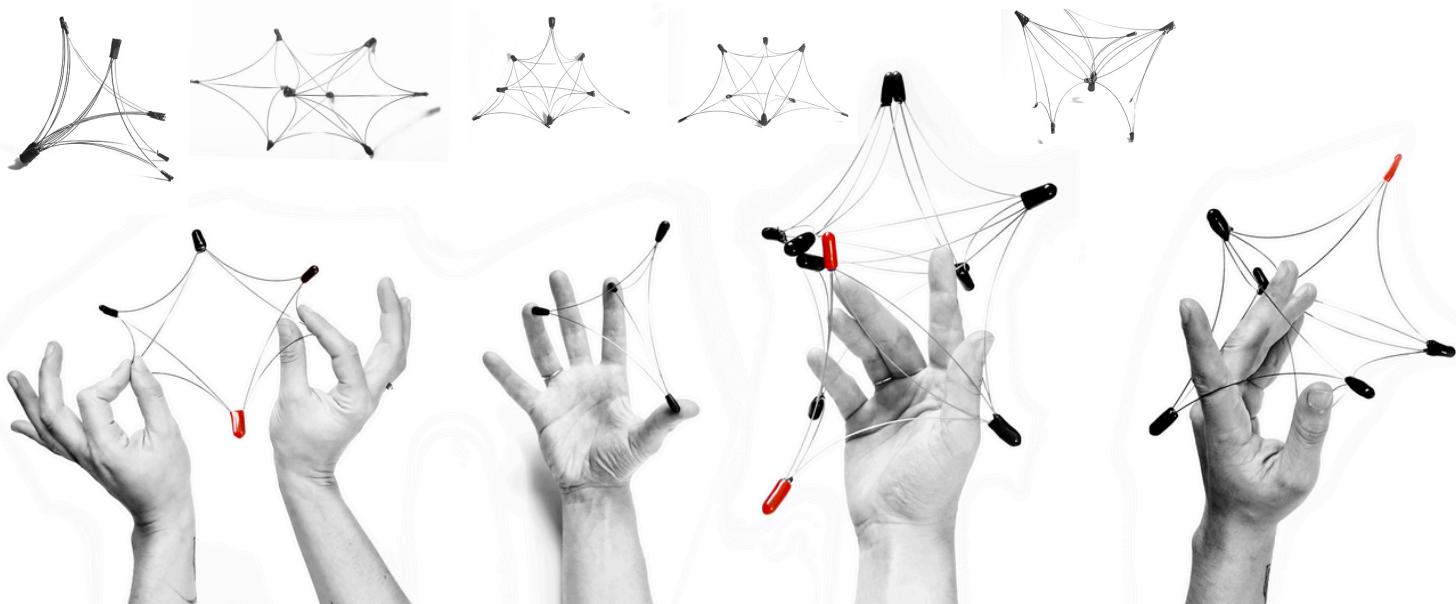
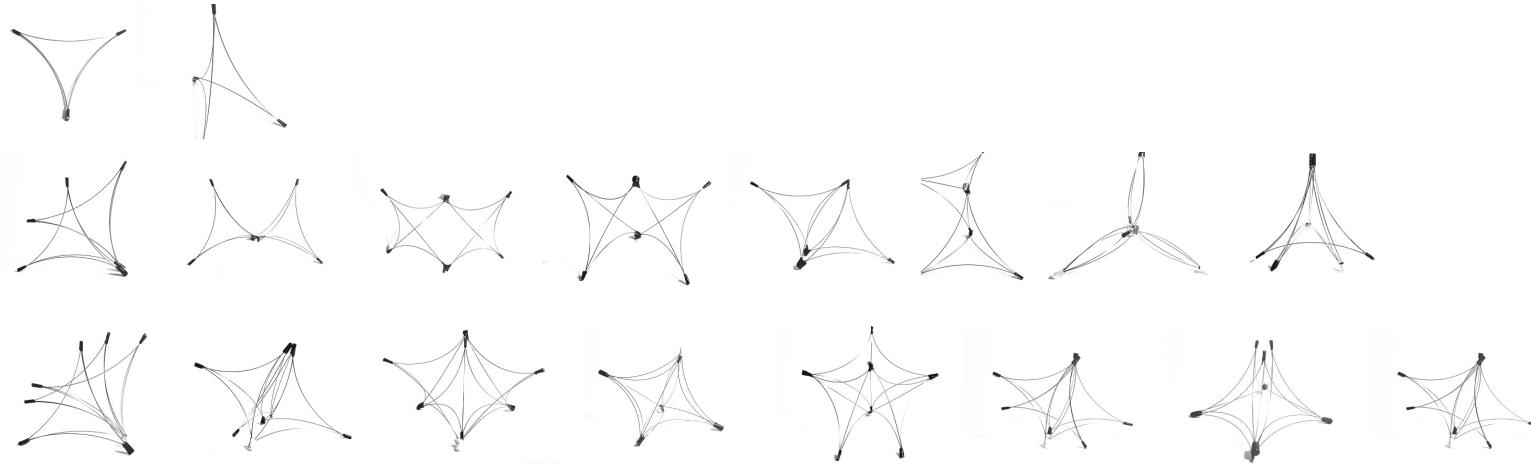
6x 380mm



Stainless steel wire spring

Diameter 0.5mm

5x 120mm





Stainless steel spring
isolated in rubber
Diameter 0.5mm
6x 300mm
led lamp

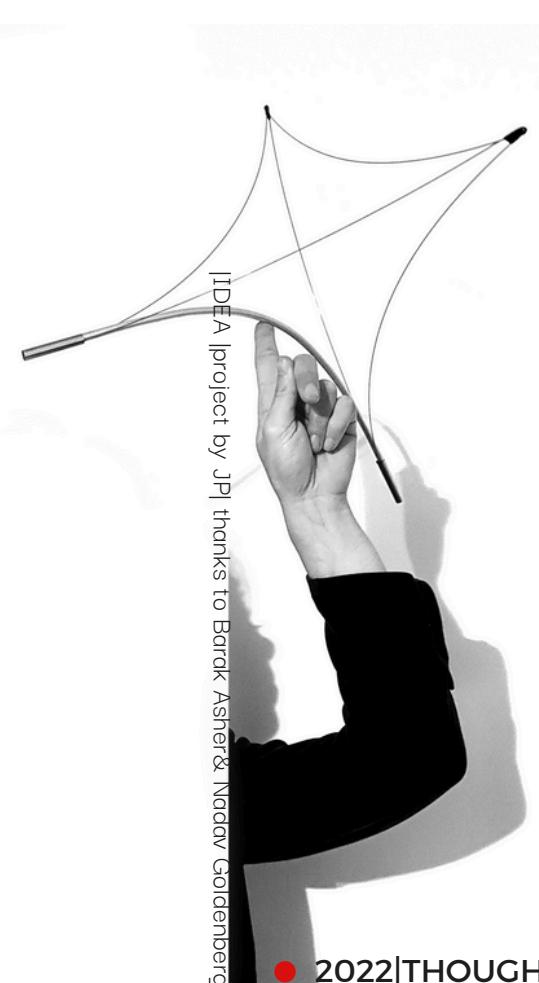
ENDLESS AS TIME FLOWS

These structures can be anything in our physical and business oriented world. During the course of the project, I made a conscious decision not to inject any intention of product-oriented spirit into the models (above you can see that the idea was taken into consideration).

In summary, I would like to say that the discussion has expanded me as a person. Playing with the spring wire has a calming effect that has opened the door to confronting within and grasping thoughts as individuals.



YOUR PLACE :



IDEA | project by JPI thanks to Barak Asher & Nadav Goldenberg



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