The art of constructing

A new construction set with 30 aluminium tubes,
16 Imagineers and 125 interlinkable connectors

Introduction

At Plivio we believe that creative expression is essential for the development of every human being. With our Imagineering tool-box we facilitate creative and constructive expression for everyone.

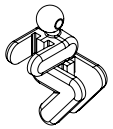
Combine your imagination and construction skills and become an Imagineer who turns creative ideas into geometric, decorative, static, kinetic, abstract, useful or nutty framework objects.

Box

Plivio Imagineering is a construction tool set developed to create spacial design objects, that comprises 30 anodized aluminium tubes in 2 lengths and 120 linkable connectors.

All connectors can be linked many different ways allowing you to learn, explore and discover the varieties of building framework constructions.

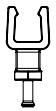
Components



Imagineer

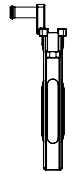
Pin-clip

Socket-clip

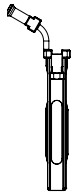


Flex-clip

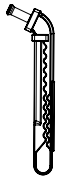
End-plug



Fix-plug



Flex-plug



Rack-plug

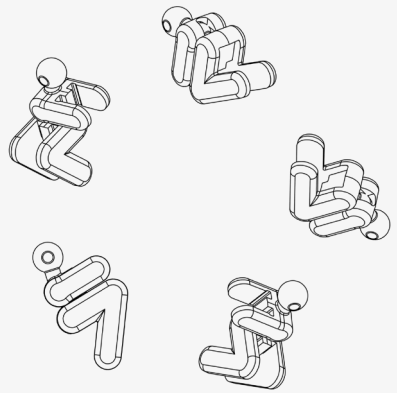
Extender-plug

Imagineers

The Imagineer connectors and aluminium tubes allow you to quickly build spacious structures.

The Imaginneer arms and legs can be clamped anywhere on a tube or can hold a tube-end at 3 different places. They also have a ball-socket pivot, so they are able to rotate and be positioned in any direction.

With the help of the Imagineers you can quickly start exploring possible constructions; it is their task to help you in the construction process and in realizing your idea.

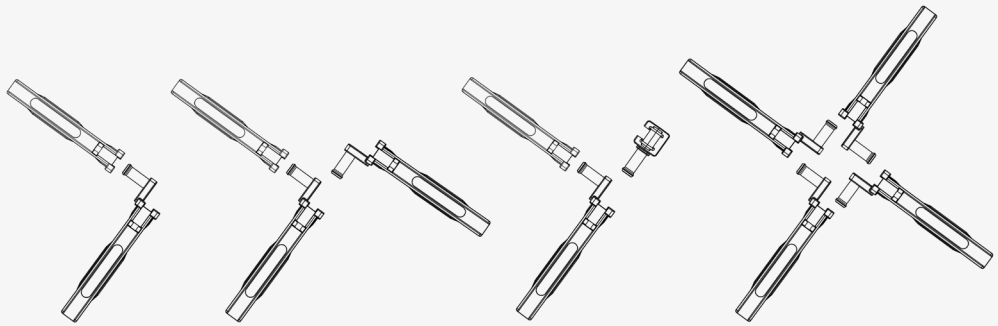


Fix-plugs

The Fix-plug has both a pin and a pin-receiving part that are fixed under 90 degrees; this allows the fix-plug to be coupled to an End-plug or another Fix-plug and create line objects with 90 degree corners.

Two or more connectors can be coupled together via their pin and pin-receiving coupling parts; after they are coupled, insert the plug into a tube which will lock the coupling parts together.

It is also possible to couple 3 Fix-plugs together so that they are all placed under 90 degrees with regard to each other (in one or two planes), for example to create a tripod object or the corner of a cube.

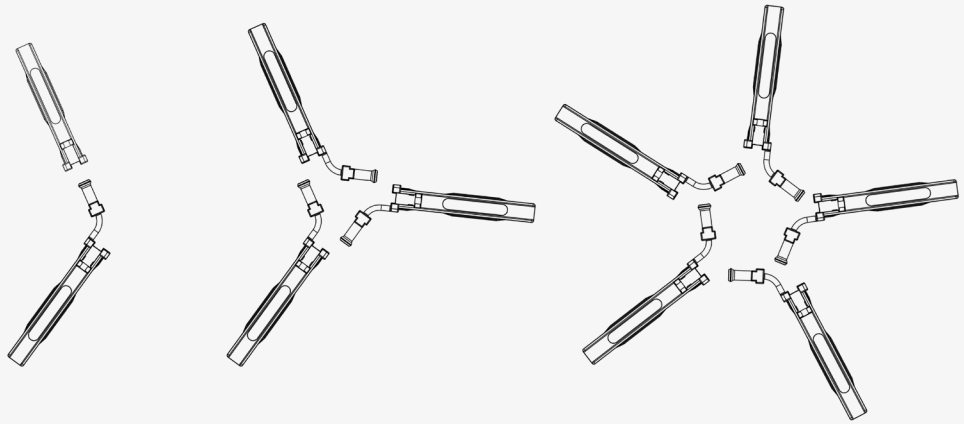


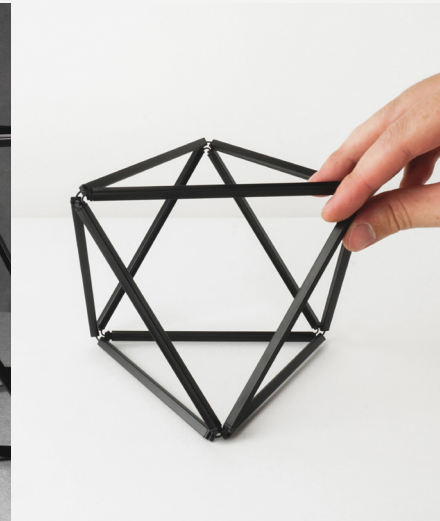
Flex-plugs

The Flex-plug has a pin-receiving part and a pin that is flexible connected. The Flex-plug can be coupled together in a flexible way and with variable corners. The Flex-plugs can be coupled together in a circle; for example 3 Flex-plugs coupled together form a star-shaped tube connector that can connect 3 tubes in a central point called a "node". This allows you to create spacious 'truss' type of structures like geometrical objects.

However, building with Flex-plugs is difficult as only when the last tube is connected, a static and stable object is created. You will realize that triangles, pyramids and geometric shapes are the most stable forms.

Before building with Flex-plugs, imagine the final spacious object first. Then couple the Flex-plugs needed to make the node connector for the tubes, slide the tube ends over the coupled Flex-plugs to lock the coupling parts together and only when the final tube connection is made, you created a stable object.



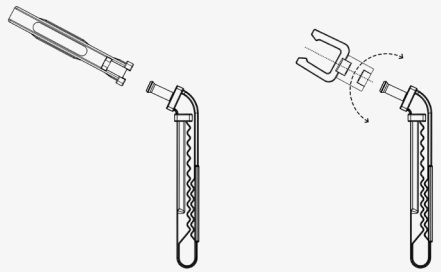


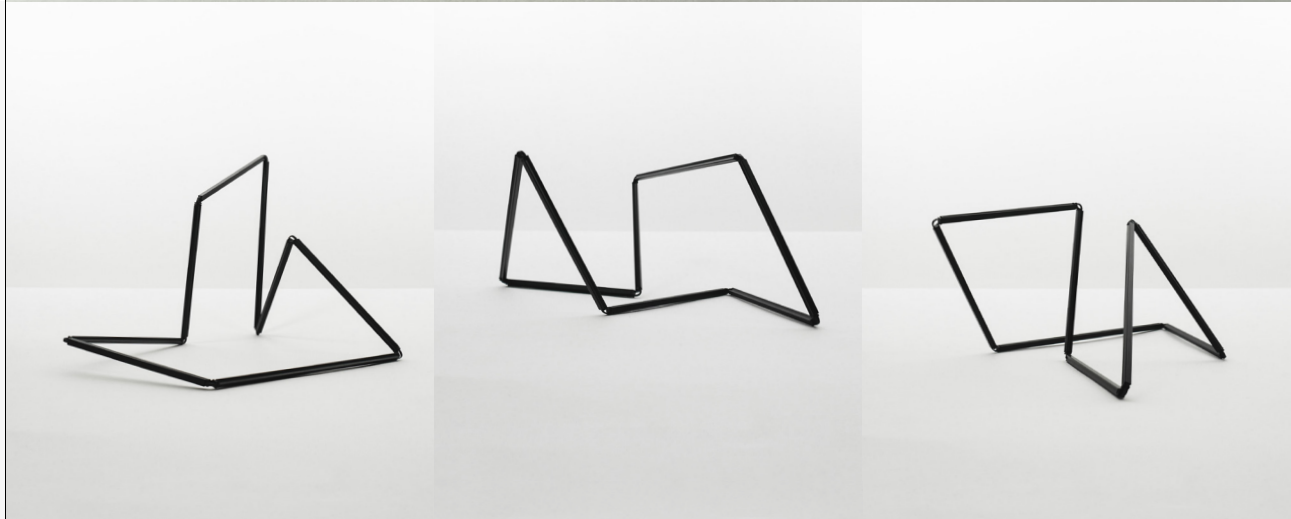
Rack-plug

The rack-plug is a plug which has a coupling pin. The pin is connected via a bendable part to a plug with two displacable teethed racks.

This plug makes it possible to adjust and fix a (sharp) corner between two tubes.

First couple an End-plug to the Rack-plug, than adjust the corner between them by shifting the racks with regard to each other, squeeze the racks together and push them into a tube end.
Once inserted, the racks are locked together and freeze the corner between the Rack-plug and the End-plug.

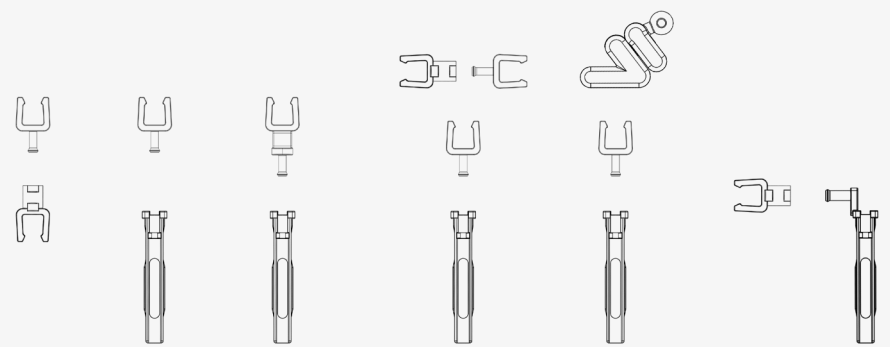


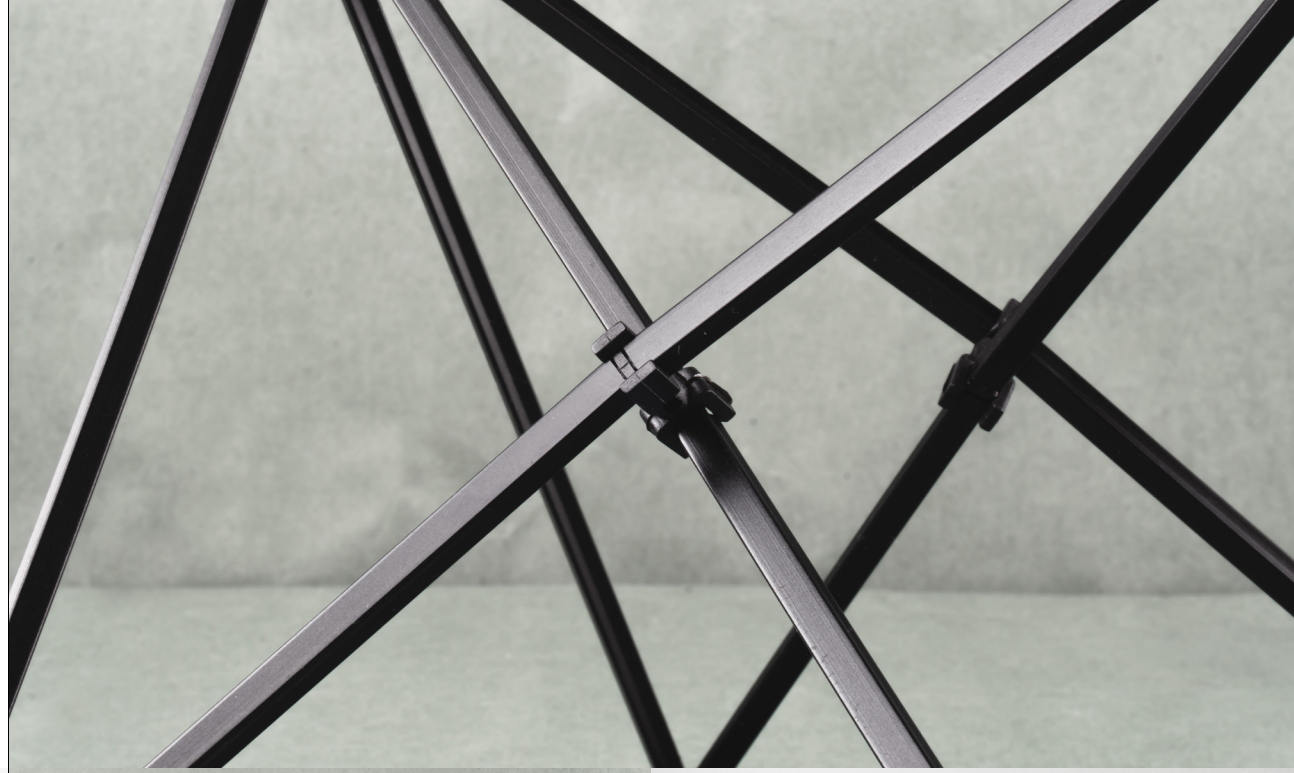


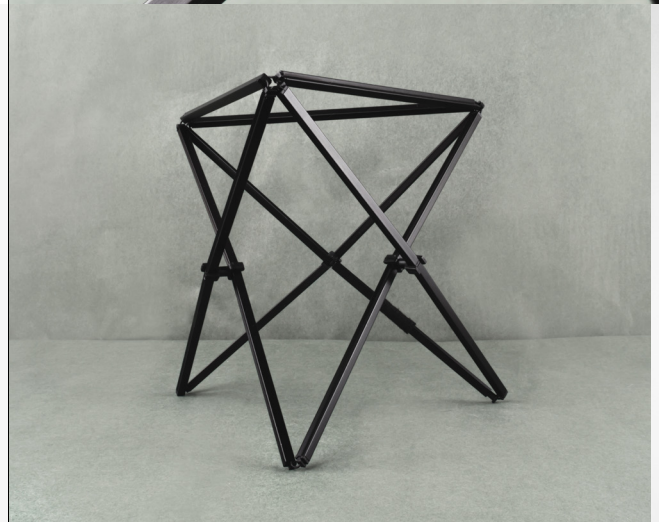
The Pin-clip, Socket-clip and Flex-clip

All these clips can be clicked onto a tube. The Pin-clip and the Flex-clip can be coupled to the Socket-clip or to an End-plug and form a pivot connection for 2 tubes. If multiple clips are combined together, they can also function as a (static) spacer between 2 or more tubes.

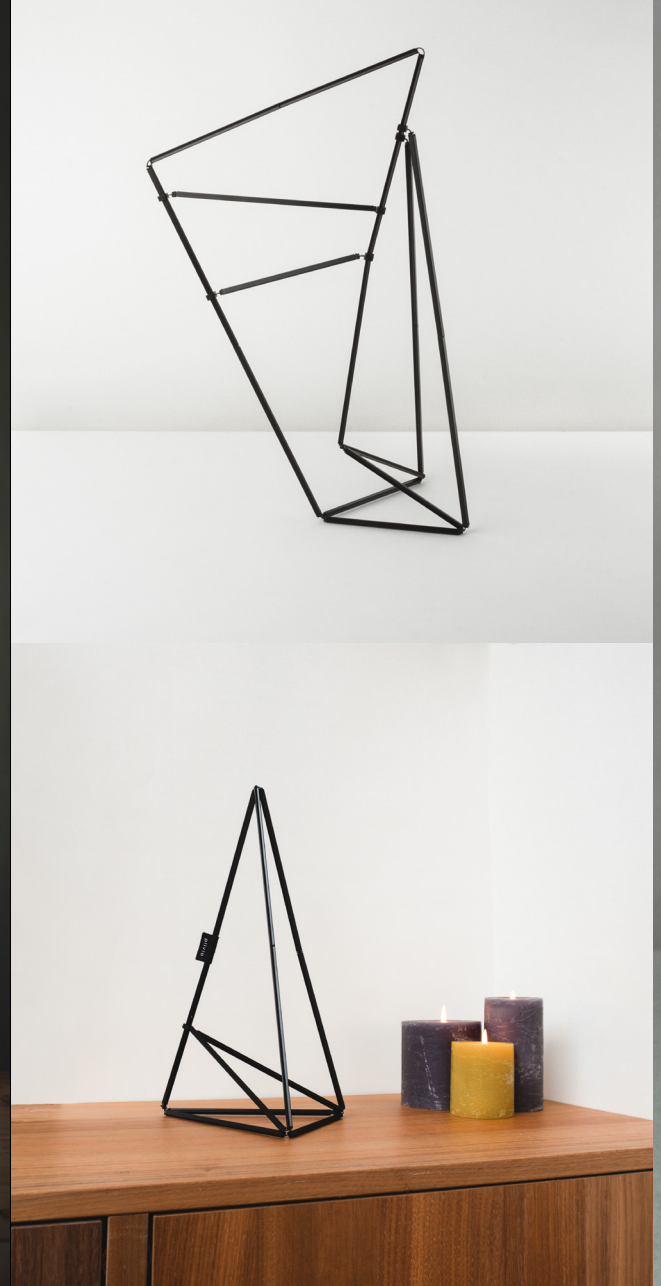
This connection can be used to build hanging rotating mobiles, multi-bar linkages or any other non-static, rotatable, swiveling or movable kinetic object. Just built an object with multiple pivoting connectors and tubes and try to understand what is happening when one tube is rotated.







Inspiration







Start your creative journey

for more inspiration have a look at
www.plivio.construction