

JOSEP CANALS

→ Sant Andreu de la Barca, Barcelona, 1955



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Josep Canals (Sant Andreu de la Barca, Barcelona, 1955) is a Catalan contemporary sculptor known for his **exploration of Moebius forms in his artistic work**. Through his sculptures, Canals **fuses geometry with three-dimensional art to create works that challenge the conventional perception of space**.

Canals' work is influenced by the German mathematician and astrophysicist **AUGUST FERDINAND MÖBIUS**, who introduced the **Moebius strip – a surface with only one face and one edge – to geometry**. Canals has adopted this concept and incorporated it into his sculptures, exploring its unique properties and aesthetic implications.

His artistic style is characterized by his attention to detail and his ability to transform different materials such as metal, wood and marble into mathematical sculptures. His Moebius pieces often incorporate elements of symmetry, fluidity and movement, creating a visual experience for the public.

In the image, you can see the work Moebius LXXXIX, a sculpture made by the artist Josep Canals in 2007.



Title: Moebius LXXXIX
Year: 2007
Technique: Sculpture
Measure: 150 x 150 x 40 cm
Location: Can Mario Museum



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For Canals, the Moebius forms represent more than simple geometrical shapes: they symbolize the **continuity, singularity and connection between dimensions**. Through his sculptures, the sculptor invites the public to explore the complexities of space and form, inspiring a reflection on the nature of the universe and our relationship with it.

That's why we invite you to create your own artwork based on a Moebius strip, in which you have the chance to **explore the shapes of this mathematical concept and play with its properties, such as, for example, its continuity and symmetry**. This peculiar shape can be created by a simple process of manipulating a strip of paper or card. You can cut a strip of either of these two materials to the size you want, but it's important that the strip is long enough to be able to work with it. Instead of attaching the two ends of the strip together in the traditional way, twist one end twice before attaching it to the other end. This makes the strip twist on itself. Use some adhesive tape or glue to stick the two ends together. Make sure the two ends are very firmly bonded to keep the shape of the Moebius strip. Once you've done this, you now have a complete Moebius strip! **You can explore the unique properties of this shape by tracing your finger along the surface and you'll see how it only has one surface and one edge.**



Materials: paper or card, scissors and adhesive tape or a glue stick. You could also use paints, marker pens or other materials to decorate your **MOEBIUS** shapes.

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