



European
Design
Market
Centre
Bamboo
Rattan

Design Catalog

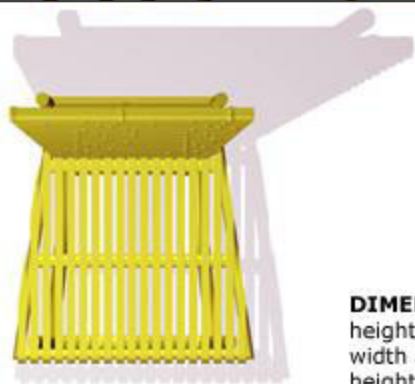


This Catalog is developed by A.I.B (Italian Bamboo Society, www.bambuitalia.it) with the help of INBAR (International Network of Bamboo and Rattan, www.inbar.int), under the European Design Market Center project (www.dmc-e.net).

The objective of the project is to promote the link between the European market and the worldwide bamboo and rattan communities, privileging actions and strategies that guarantee the fairness and sustainable conditions of the entire production row.

The Catalog show interesting Design products example that use totally or partially Bamboo and Rattan material . The objective is to provide good inputs to the rural communities, that produce these products without visibility on the European design demand, to increase their sustainable capabilities. For this reason the designers has chosen to use different Bamboo species and section, reusable parts for different products, identify different cost of production, different effort and capabilities and at the same time try to keep design simple and in line with Europe design fashion and market

Sara Martin
Designer

**DIMENSIONS:**

height of sitting: 40 cm

width and depth of sitting: 40 cm

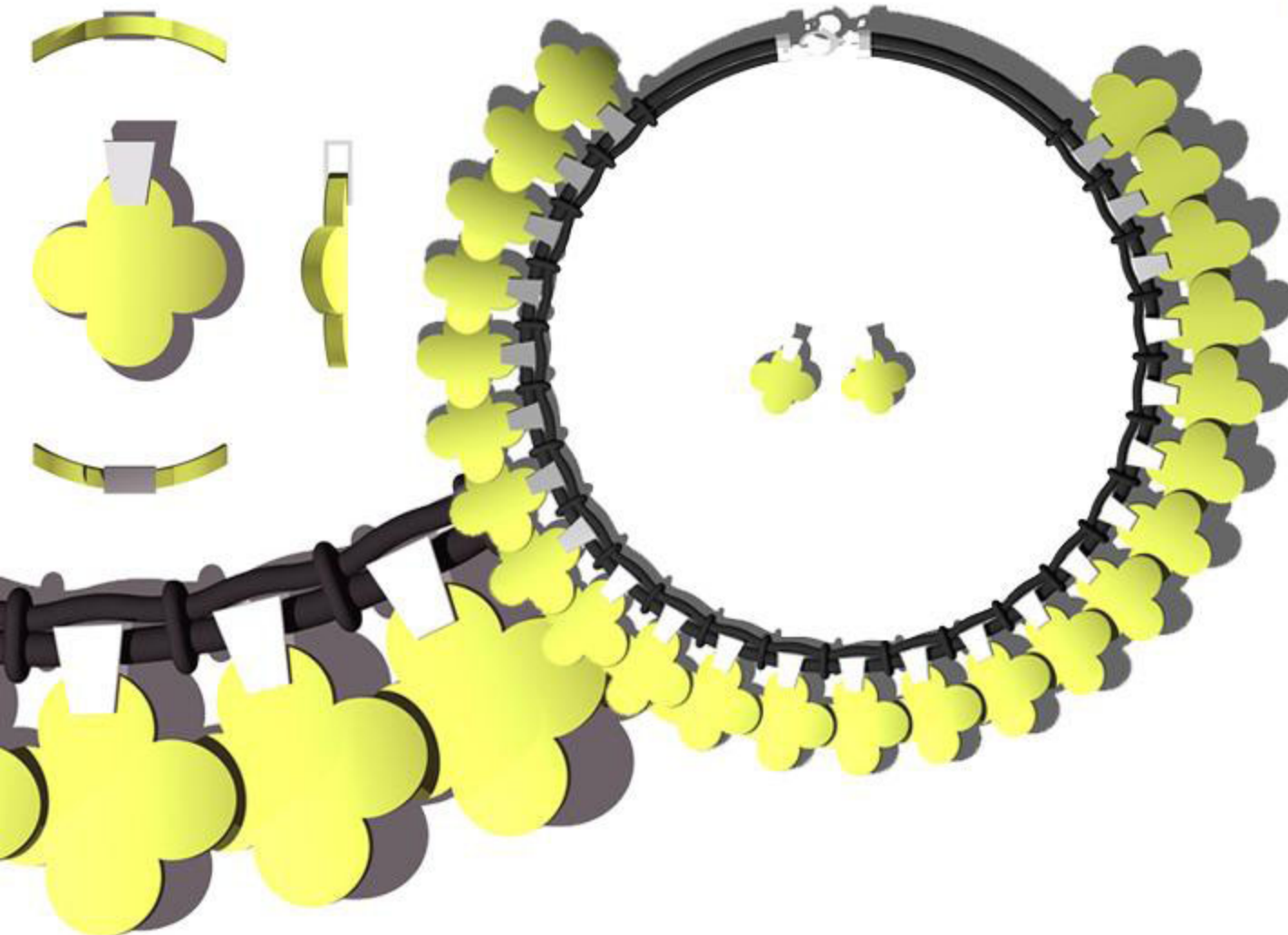
height of back: 120 cm

**FEELERS****CATEGORY:** Furnishing**PRODUCT:** Chair

DESCRIPTION: Showing the natural beauty of bamboo: this is the scope of the high back, realized with a dense sequence of horizontal culms. All culm's ends here are left open. The back becomes smaller on the bottom part, making the shape dynamic and giving more importance to the entire chair. Two elements from the structure are rising on the top and on the bottom. The sitting plan follows the same tapering going towards the back. It is formed to light bamboo strips

REALIZATION PROCESS DESCRIPTION: All elements have to be chosen for a diameter of 3 cm. For structural parts are better pieces with walls comprised between 5 and 10 mm, while for non-structural elements also thin-walled piece can be used. External nodes have to be smoothed for all structural parts. Back and sitting can be realized separately and assembled on a second time. Most of joints on the back are fish-mouth fixed with bamboo dowels and glue. Once finished the structure, you can assemble all horizontal parts of the back with the same type of dowels. After you can fix on it sitting and legs, on the same manner. For strips it is necessary splitting a culm and rounding all lateral cuts, bending with heat the front side and finally fix every parts on ends and centre with small nails and glue

REALIZATION TIME: 3 days of work (24h)**MAINTENANCE:** Paint-brush treatment with natural oils or waxes. e. Furnishing**Designer****Sara Martin**



PARURE "FORTUNE"

CATEGORY: Jewellery

PRODUCT: Necklace and Earrings

DESCRIPTION: The four-leaved clover-flower shaped pendants are obtained from culms having 6-10 cm diameters, and therefore come with a little bend. They overlap a little and their movement is constrained by the connections between the two strings that unite them. The outer string runs through all the silver hooks, whilst the second string, smaller in diameter, overlaps the internal part, producing a pleasant wave-like effect. Silver fastening and matching earrings. The sides of the necklace pendants are 3cm x 3cm, and 3-4 mm thick. The silver hooks have a frontal length of 10 mm and a width of 8 mm, reducing to 5mm at the point of contact with the bamboo. The outer string has a diameter of 4 mm and is approximately 60 cm long. The internal string has a diameter of 3 mm, whilst the connecting strings have a diameter of 2 mm. The silk strings may be replaced by cotton or natural rubber ones. The earrings come in the same shape, but are smaller in size, measuring only 2X2

BAMBOO SPECIES SUGGESTED: *Bambusa vulgaris*, *B. nutans*, *Phyllostachys viridiglaucescens*, *Phill. nigra*.

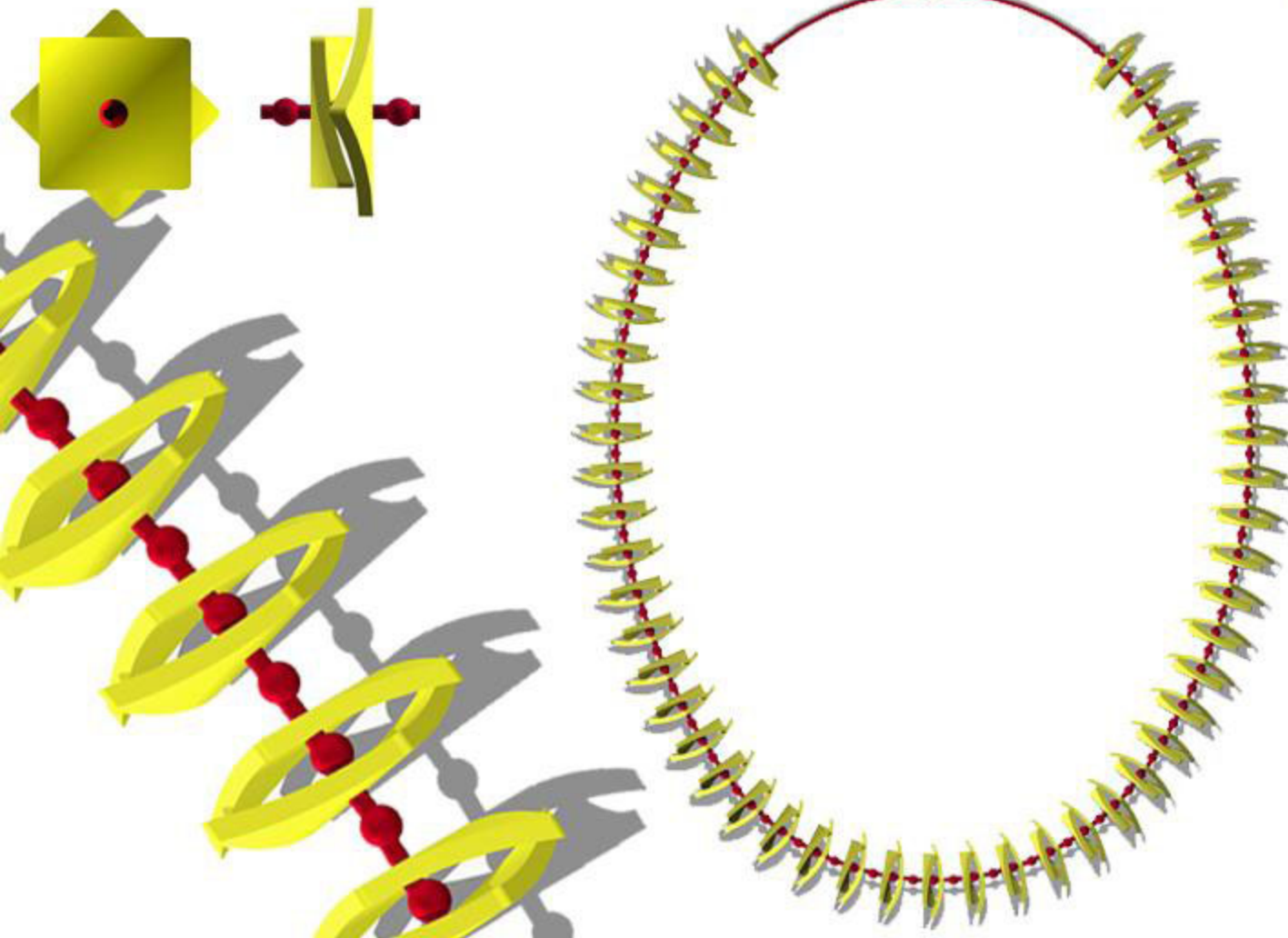
REALIZATION PROCESS DESCRIPTION: Choose culms with 6-10 cm diameters and 3-4 mm thick walls. Outline the profile on a part of the culm which has no knots, cut it out and smoothen the sides with sandpaper, rounding any rough edges. Paint with gloss finish. Hold the metal hooks up - these must have small "teeth" protruding at their narrowest ends - and press them into the centre of each of the "petal-leaves" of the pendants. Make sure the shortest part of the hooks is perpendicular to the direction of the bamboo fibre, otherwise the piece may split. Thread the pendants onto the thicker string and fasten this string to the internal one with rings obtained from the thinner string, sewing them together so that they cannot move. Attach the silver fastening. For earrings use smaller hooks which only have a front part. Two pins must be fitted to the hooks. One of the pins must run through a small hole bored into the bamboo and be fastened at the back; the other one, at the top, must hold the earrings' fastening clip.

REALIZATION TIME: 2 ½ days

REALIZATION COST: about 50,00 US\$

Designer

Sara Martin



GEOMETRIES

CATEGORY: Jewellery

PRODUCT: Necklace

DESCRIPTION: This is a conceptually simple object but with a very high aesthetic value, based on the matching of pairs of squares, cut out from the bamboo culm so that the fibres run along the diagonal of each piece. In this way, each component comes with a bend running along each side. By placing a pair together, with the concave sides pointing towards the centre, an interesting geometrical effect is obtained where each point ends up at the centre of the opposite side, with a 45° rotation. The individual pieces are free to move and make the whole somewhat dynamic, but cannot slide to the centre of the long necklace since they are blocked by a series of knots along the string that unites them. The sides of each of the bamboo squares is 25 mm, with a thickness of 2-3 mm. The cotton or silk string is 95 cm long, with a diameter of 2 mm

BAMBOO SPECIES SUGGESTED: Bambusa aurundinacea (B. bambos), B. vulgaris, B. nutans, Phyllostachys viridiglaucescens

REALIZATION PROCESS DESCRIPTION:

Draw the outline of the different squares on 6-10 cm diameter bamboo, positioning the diagonal according to the length of the culm. Proceed to smoothen all rough edges and to drill a 2.5-3 mm hole at the centre of each element. Thread the string through the holes and make a knot between each component, at a distance of 2-3 mm from it. Once the desired length of the necklace has been obtained, fasten the two ends of the string with a bigger knot. Approximately fifty pairs of bamboo squares are required

REALIZATION TIME: 1 days

REALIZATION COST: about 30,00 US\$

MAINTENANCE: None

Designer

Sara Martin