

Aria structure : Milano Italia



SADEV

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Les modèles S3000 et S3100 sont déposés par la société SADEV - Conception : future-creation.com

S 3000[©]
SADEV

Design by **Cesare Monti**

En el diseño de los nuevos grampones, buscábamos crear un elemento ligero que armonizara perfectamente con las más innovadoras estructuras y proporcionara al mismo tiempo una excepcional resistencia, tanto en vertical como en horizontal. Todo ello naturalmente con el herraje más liviano posible. Sólo gracias a la aplicación de los más modernos programas informáticos, asociados con un rápido proceso de fabricación de los prototipos, nos permitieron alcanzar nuestro objetivo tan rápidamente. La unión del mejor soporte estructural con el más atractivo diseño desde el punto de vista estético: "Firmitas et Venustas"

Architetto Cesare Monti

Beim Design des neuen Spiders wollten wir eine fließende Form definieren, die sich gut mit den innovativsten organischen Arten von Bauten vermischt, und die gleichzeitig außergewöhnlichen horizontalen und vertikalen Widerstand bietet. All dies natürlich mit einem Gewicht, so gering wie nur möglich. Einzig die Verwendung der neuesten Computer-Software zur Berechnung finiter Elemente, im Zusammenspiel mit den kontinuierlichen Rückmeldungen aus rasch erstellten Prototypen, machte es möglich, diese Ziele so schnell zu erreichen. Das interessanteste daran ist, dass sich die bessere bauliche Form in einem, aus ästhetischen Gesichtspunkten heraus betrachtet, attraktivsten Design wiederfindet: „Firmitas et Venustas“.

Architekt Cesare Monti



SADEV S3000



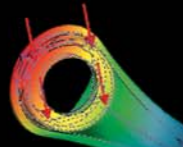
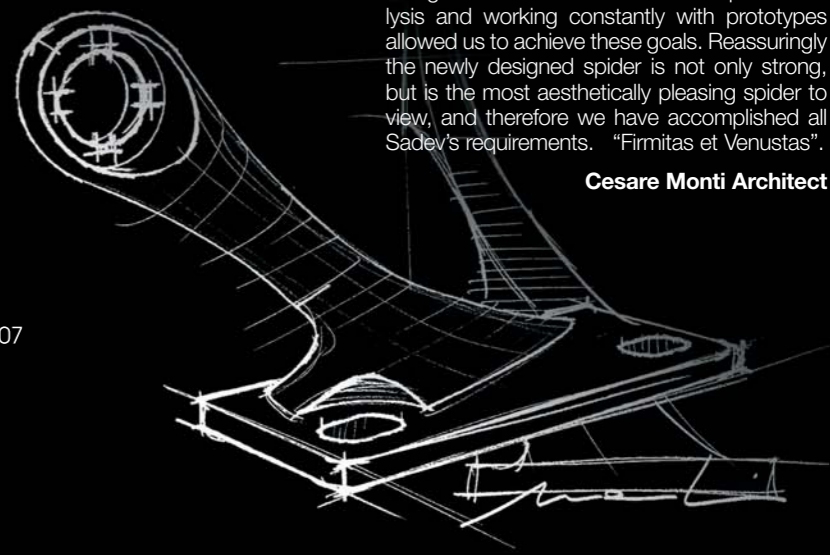
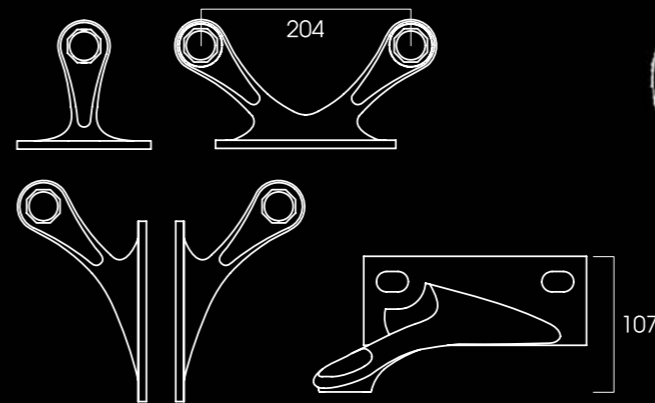
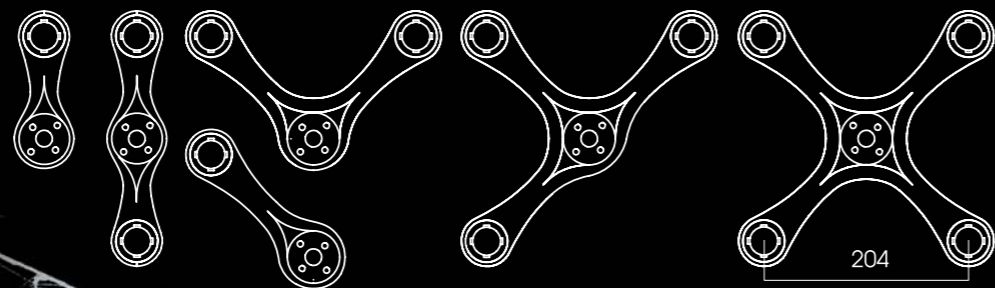
SADEV S3100

Nella definizione della nuova stella abbiamo cercato di definire una forma fluida che ben si sposasse con le più innovative realizzazioni di strutture organiche che al tempo stesso fosse dotata di una eccezionale resistenza verticale ed orizzontale. Il tutto naturalmente con il minor peso possibile. Solo l'impiego di sistemi computerizzati di analisi ad elementi finiti ed il continuo feedback attraverso prototipi rapidi ci ha permesso il raggiungimento di questi obiettivi. La cosa interessante è che la forma strutturale migliore è risultata la più bella dal punto di vista estetico: "Firmitas et Venustas".

Architetto Cesare Monti

Why do we need another system of spider supports for glass walls? I was pleased to accept the assignment from Sadev to add my expertise in structural glazing to such an important project. The goal was to produce a spider in cast stainless steel that could withstand the increased stresses of wind and weight that are now necessary for the over sized panes of glass demanded by Architects in the construction of 21st century buildings. We wanted to produce a new spider that while being aesthetically pleasing was strong enough to be used with the most advanced designs allowing for maximum horizontal and vertical loads. It needed to have a light weight stylish design. Using the most advanced FEM computer analysis and working constantly with prototypes allowed us to achieve these goals. Reassuringly the newly designed spider is not only strong, but is the most aesthetically pleasing spider to view, and therefore we have accomplished all Sadev's requirements. "Firmitas et Venustas".

Cesare Monti Architect



Material :
stainless steel AISI 316

Finish :
grinded

The permissible loads are :
loads parallel to the glazing pane : 2952 N per leg
loads perpendicular to the glazing pane : 1669 N per leg

60

204

204

107