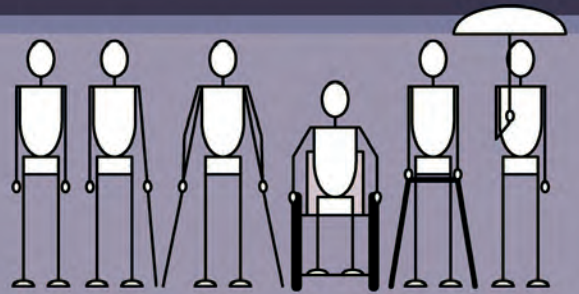


2013

ECA

European Concept for Accessibility



**Design for All in progress,
from theory to practice**

ECA 2013

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6.10 NIDONDOLO - Game & Rehabilitation Tool - ALL in one

Designed by Mitzi Bollani – produced by LEURA srl

Nidondolo is a welcoming game of movement, suitable for children of all ages, as well as adults. It is a concrete example of a “design for all” product, wanted by the ASBI Association (Spina Bifida Association Italy) because their children could not play independently in public playgrounds and no company had suitable games in the market.

Involvement of stakeholders: Mitzi Bollani took up the challenge with a small working group of children with spina bifida, to design the project. The game had to ensure excitement and speed and had to be easily used by children with activity limitation without any help from adults.

Nidondolo looks like a big bowl, a nest in fact, that rotates, twists, turns and swings, with the slightest movement of someone using it. Its name comes from a combination of two Italian words: Nido = ‘nest’ and Dondolo = ‘swing’. Children can get into it by themselves, dropping inside, crawling on all fours and play in it lying down, sitting...



Photos: Nidondolo at Galleana's Park – Piacenza - Italy and the designer Mitzi Bollani speaking with the children to collect their views, (© Arch. Mitzi Bollani - May 2007)



Photo: Nidondolo at Galleana's Park – Piacenza - Italy with a girl with autism, well integrated in the play group. (© Arch. Mitzi Bollani - May 2007)

ACCESS FOR ALL and not just for children with activity limitation. Nidondolo is a new game that works with different modes and for that reason it attracts all children, facilitating their integration and group play.

Nidondolo does not discriminate in its design: a child with a disability, sitting or lying down in Nidondolo, looks like any other child. Nidondolo is tested for a load of 500 kg and spins easily and quickly even at full load. That aspect has surprised and pleased the children who, after testing the prototype, said :
“Now WE take care of the others!”

UTILITY FOR ALL: Nidondolo develops the proper psycho & motor growth of the child because it develops the "proprioception": the ability of our body to have the perception of itself in relation to the outside world. It is also a challenge because it allows 25 or more children to play safely together at the same time in a very small space (cm. 400x 400, equal to the dimensions of a room).

There are very few games of movement for babies under one year and Nidondolo in its small size cm.80 of diameter, is an important tool for body awareness, coordination and responsiveness.



Photos: Nidondolo at Sasso Marconi's Park – Bologna - Italy – Annual Congress of ASBI – Association Spine Bifida Ital, (© Arch. Mitzi Bollani - May 2006)



Tested and used in Child Neuropsychiatry, Nidondolo, in its small size is a useful tool for therapy, thanks to its three free movements of rotation, twisting and swinging.

In hospitals, the game satisfies the needs of young patients, even the weakest, because it requires no physical effort.

Photos: Nidondolo at Pediatric ward of "Niguarda" Hospital in Milan 2012 and at Infant Neuropsychiatry ward – "Guglielmo da Saliceto" Hospital in Piacenza 2009, (© Arch. Mitzi Bollani)

It is also usable by adults for the functional recovery of their lower limbs and as a training tool in some sports such as rugby.

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