

The Reducer Seat Insert®
By Troy Technologies Inc.

Children grow fast! Before you know it, they have outgrown their clothes, shoes and even their wheelchair. For this reason, many parents select a wheelchair that is one size larger than needed in anticipation of future growth. But, an oversized wheelchair does not provide the proper positioning your child needs.

For many, Medicare only allows for a new wheelchair every five years. For an adult, that may be acceptable, but a child can grow a huge amount in five years. The natural and common solution is to buy oversized equipment and make due until the child grows. Parents have been doing this for years. The idea of “filling the gaps” produced by oversized equipment has been around as long as children have been in wheelchairs, but rolled up towels and bunched up blankets have a serious down side. They are hot, lumpy, they wont stay in position, and they look improvised.

The new ***Reducer Seat Insert®*** was specifically designed to provide proper positioning in an oversized wheelchair. ***The Reducer Seat Insert®*** is a cushion that easily slips into the seat of any chair to reduce the usable dimensions. It may seem like a simple solution, but ***The Reducer Seat Insert®*** is the product of years of clinical research and development. Designed by a coalition of Therapists and Rehabilitation Technology Specialists (RTS), ***The Reducer Seat Insert®*** features a ribbed surface that is comfortable and promotes airflow and it can be trimmed to accommodate shoulder straps or other positioning features. It’s washable, water resistant, lightweight, 100% latex free, and folds flat for storage.



There is no other product on the market today that does what ***The Reducer Seat Insert®*** does. It is specifically designed to conform to the natural contour of your Stroller, Wheelchair, or Positioning Chair. It reduces the usable dimensions while maintaining the intended position designed for your child. There are no straps or fasteners to worry about. It simply drops into place and can be easily removed when folding your wheelchair. There is even a non-skid provision to prevent “ride up”.

Materials used:
EVA Foam Core

EVA is also used in [biomedical engineering](#) applications as a [drug delivery](#) device. The polymer is inert and causes little or no reaction following implantation. EVA is one of the materials popularly known as 'expanded rubber' or 'foam rubber'. EVA [foam](#) is used as padding in equipment for various sports such as [ski boots](#), [hockey](#), [boxing](#), [mixed martial arts](#), [wakeboard](#) boots, and [waterski](#) boots. It is the same material used in Crock brand shoes.



EVA slippers and sandals are nowadays very popular because of its properties like light weight, easy to mould, odourless, glossy finish.

Lycra Cover:

Lycra or Spandex is a [synthetic fiber](#) known for its exceptional [elasticity](#). When first introduced, it revolutionized many areas of the [clothing industry](#). "Spandex" is a generic name but the most famous brand name associated with spandex is *Lycra*. Lycra is the fabric of choice where stretch is desired, generally for comfort and fit, such as:

athletic, aerobic, and exercise apparel
[wetsuits](#)
[swimsuits](#)/bathing suits
[competitive swimwear](#)
[brassiere](#) straps and bra side panels
slacks
[hosiery](#)
[leggings](#)
[socks](#)
[diapers](#)
underwear

[Compression garments](#) such as:

surgical hose
support hose
Shaped garments such as bra cups

In clothing it usually appears as a small percentage of total material. As you read this, you are probably wearing Lycra Spandex.