

# DYNAMIC ARM Supports

Product Code 8500

2010

(Please store this in your  
Medifab Folder)



## State-of-the-art functional independence aids

**Exciting possibilities exist with these newly developed range of high-end body support systems that assist with manual performed activities of daily living.**

Until a few years ago, dynamic arm supports of this calibre were an almost undreamed of solution for persons with serious shoulder, arm or hand disorders.

Persons with limited arm function that would benefit from these solutions include those with muscle disorders and neurological or orthopaedic diseases.

By carrying the weight of the arm and relieving the shoulder area these supports help the user to move their arms again despite limited function and power in order to reach, grab and manipulate again during the daily activities such as eating, drinking, using the computer, communicating, playing and kitchen activities.

8500

**Start**

**Kiddiequip**

AU 1300  
NZ 0800

**543 343 Equip Plus**

# TOP/Help Dynamic Arm Support

## Purpose

TOP helps persons with limited arm function to move their arms and hands. TOP eliminates gravity and the burden to lift the arm. It helps to reach, grab and manipulate again during daily activities such as eating, drinking, computer work, communication and play.

## For Whom

TOP is used by persons who are challenged by muscular weakness or paralysis but can still grab objects. Most users have neurological or neuromuscular disorders.

## Use

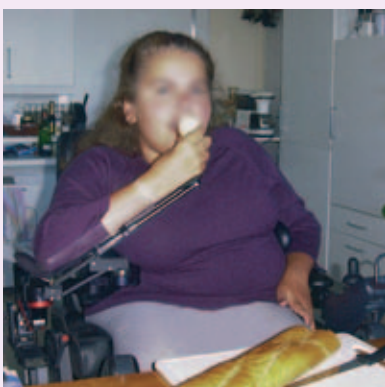
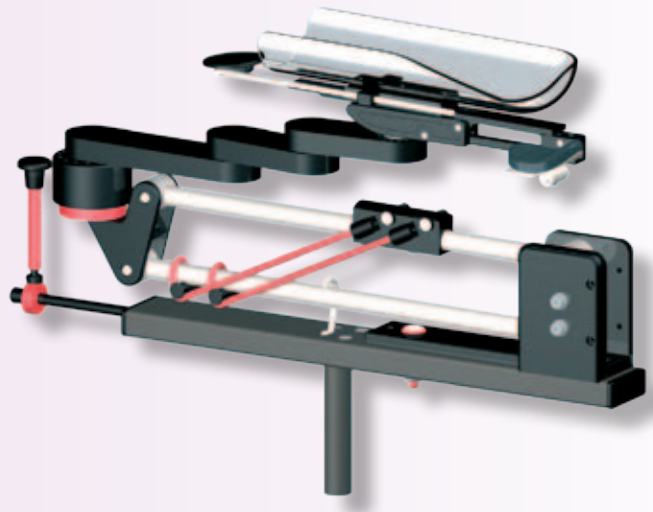
TOP can be applied single-sided as well as double-sided to wheelchairs, work chairs, tables or on a mobile carriage. Users experience its use as extremely smooth and easy because of the precise construction and application of high-quality materials.

## Characteristics

TOP carries the weight of the arm. Movements initiated from the shoulder girdle are converted into movements of the forearm. The HELP module assists in making vertical movements against gravity thus accommodating important daily activities including eating and drinking.

## Other characteristics

- 'Use it or lose it': prolonged arm function through the deployment of remaining human capacities.
- Stable.
- Adjustability of important hinge points.
- Discrete due to its low profile.
- Additional electric vertical adjustment is possible.
- Durable and robust



# SLING Dynamic Arm Support

## Purpose

SLING helps persons with limited arm function to move their arms and hands. SLING eliminates gravity and the burden to lift the arm. It helps to reach, grab and manipulate again during daily activities such as eating, drinking, computer work, communication and play.

## For Whom

SLING is used by persons who are challenged by muscular weakness or paralysis but can still grab objects. Most users have neurological or neuromuscular disorders.

## Use

SLING can be applied single-sided as well as double-sided to wheelchairs, work chairs, tables or on a mobile carriage. Users experience its use as extremely smooth and easy because of the precise construction and application of high-quality materials.

## Characteristics

SLING carries the weight of the arm. Movements initiated from the shoulder girdle are converted into movements of the forearm.

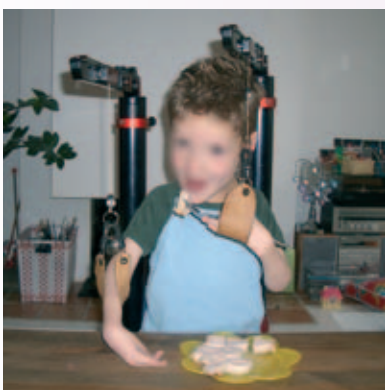
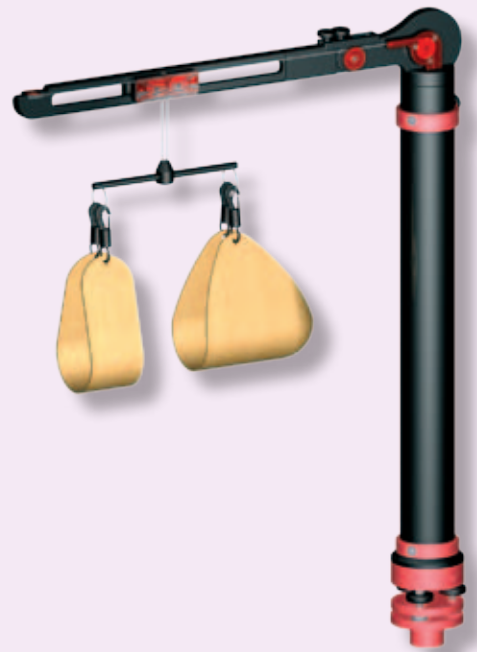
A cord that connects the user's arm is lead over a vertical bar to a counterweight in a vertical tube thus compensating for gravity and allowing the user to move the forearm free in space.

The rotating movements of vertical construction parts allow for supported vertical arm movements and at the same time the sliding movements of the rail system ensure an optimal application of forces used on the underarm.

SLING likewise enables the arm to be moved both horizontally and vertically.

## Other characteristics

- 'Use it or lose it': prolonged arm function through the deployment of remaining human capacities.
- Easy to use.
- Highly adjustable.
- Interchangeable between different (wheel)chairs.
- Space under the user's arm is left free – no parts that may bump against objects.



*The SLING can be mounted on a mobile carriage particularly for tilting wheelchairs etc.*

# BALANCER Dynamic Arm Support

## Purpose

BALANCER assists persons with limited arm function to move their arms and hands. BALANCER helps eliminates gravity and the burden to lift the arm. It helps to reach, grab and manipulate again during daily activities such as eating, drinking, computer work, communication and play.

## For Whom

BALANCER is used by persons who are challenged by muscular weakness or paralysis but can still grab objects. Most users have neurological or neuromuscular disorders. Use is intended for persons with relatively mild muscle weaknesses that are not very demanding.

## Use

BALANCER can be applied single-sided as well as double-sided to wheelchairs, work chairs, tables or on a mobile carriage. Users experience its use as extremely smooth and easy because of the precise construction and application of high-quality materials.

## Characteristics

BALANCER carries the weight of the arm. Movements initiated from the shoulder girdle are converted into movements of the forearm. A cord that connects the user's arm is lead over a vertical bar along to a pre-wound spring mechanism thus compensating for gravity and allowing the user to move the forearm free in space.

## Other characteristics

- 'Use it or lose it': prolonged arm function through the deployment of remaining human capacities.
- Simple construction.
- Slim profile.
- Can be easily folded away when not needed.





# MULTILINK Dynamic Arm Support

## Purpose

MULTILINK helps persons with limited arm function to move their arms and hands. MultiLink eliminates gravity and the burden to lift the arm. It helps to reach, grab and manipulate again during daily activities such as eating, drinking, computer work, communication and play.

## For Whom

MULTILINK is used by persons who are challenged by muscular weakness or paralysis but can still grab objects. Most users have neurological or neuromuscular disorders.

The elastic band assisted Elevating Proximal Arm is designed to provide clients with shoulder girdle weakness an additional range of movement. A client with as little as poor strength in the shoulder can accomplish self-feeding, table top activities and facial hygiene, while increasing or maintaining ROM and strengthening muscles.

## Use

MULTILINK can be applied single-sided as well as double-sided to wheelchairs or work chairs. A separate table mount is available which means it can be easily installed to a table for eating or typing etc.

## Characteristics

MULTILINK carries the weight of the arm. Movements initiated from the shoulder girdle are converted into movements of the forearm. The lateral and vertical hinge points can each be adjusted according to the level of movement required to enable a precise support for the user's needs.

## Other characteristics

- 'Use it or lose it': prolonged arm function through the deployment of remaining human capacities.
- Easy installation to (wheel)chairs
- Simple construction.
- Can be easily removed when not needed.



Mounted to the wheelchair



Mounted to a table



Mounted to a desk  
(non-elevating Version)



# WREX Dynamic Arm Support (Wilmington Robotic Exoskeleton)

## Purpose

WREX helps persons with limited arm function to move their arms and hands. This unique assistive device aids in activities of daily living for a variety of pathologies such as muscle disease, cerebral palsy, spinal cord injury, multiple sclerosis and amyotrophic lateral sclerosis which effect upper limbs. It also serves as a cost effective exercise/therapy device for people recovering from stroke and other debilitating injuries.



## For Whom

The WREX is a state-of-the-art orthosis for enhancing movement of the upper extremities when the patient exhibits weak shoulder and elbow musculature with a functional hand. WREX has been developed for people with neuromuscular weaknesses such as muscle disease, cerebral palsy, spinal cord injury, multiple sclerosis and amyotrophic lateral sclerosis that affect upper limbs, WREX acts as a functional aid in activities of daily living. It can also serve as a cost effective exercise/therapy device for people recovering from stroke.

## Use

The WREX can be attached to most common wheelchairs and mobility seating systems utilizing one of the three Mount Bases provided with the arm. These are the same attachment systems that are the basis of the mount relocater. The WREX is assembled as left or right. The size is adjustable to fit most children through to adult arms.

## Characteristics

The WREX is a state-of-the-art, lightweight 'exoskeleton' with two links and four degrees of motion that approximates normal human anatomy. It incorporates elastic band elevation assists for both the shoulder and elbow to totally eliminate gravity influence on the extremity. The unique design of the shoulder and elbow joints allow for a significant improvement in the available range of motion when compared to other assistive devices.

## Other characteristics

- The exoskeletal links and linear elastic bands of the WREX balance the arm against gravity resulting in improved functionality.
- 'Use it or lose it': prolonged arm function through the deployment of remaining human capacities.
- Easy installation to (wheel)chairs.
- Simple, easy to adjust construction.
- Can be easily removed when not needed.



# **NELSON EATER Tremor reducing feeding device**

## **Purpose**

Tremor reducing device NELSON is a self-feeding device for persons challenged by tremors or other problems in motor coordination. The device enables them to eat independently.

## **For Whom**

Users mostly are persons suffering from MS, Parkinson's, Cerebral Palsy or other neurological disorders.

## **Use**

The user operates the lever arm which has the spoon. The spoon always remains level no matter how high/low the lever arm is. This lever arm is connected to a unique tremor reducing system which neutralises and guides the uncoordinated movements of the user resulting in smooth and controlled movements of the spoon.

## **Characteristics**

Tremors and coordination problems are very individual in nature. The frequency and severeness differ from person to person. NELSON is the only tremor reducing self-feeding device that allows for individual adjustment of 'resistance'. This adjustment can be applied in the horizontal and vertical plane. In addition, the spoon and plate has been carefully designed for their specific use perfectly allowing the user to easily pick up many kinds of food.

The plate revolves to enable the spoon to reach all the food on the plate.

## **Other characteristics**

- For left/right hand use.
- Small size allows for easy transportation.
- Plate releases easily and is dishwasher proof.
- Spoon removes easily for washing.
- High-quality attachment components.





# ADL Standard Drink/Object holder

## Purpose

ADL Standard is an aid that enables the positioning of food, drink and objects close to the user. The adjustable standard can be fitted with accessories such as a cup holder, smoking aid or mini-table. Standard with accessories together allow for accurate positioning in the proximity of the user. Despite a limited arm or hand function the user is still able to eat, drink, operate, smoke or grab objects.

## For Whom

ADL Standard is intended for persons with limited arm or hand function who have the possibility to grab and manipulate small objects e.g. a remote control, if they are placed in a favourable position. In individual cases the lack of hand function does not pose a problem – a cup with a straw and the smoking aid can be positioned close to the user's mouth.

## Use

ADL Standard's accessories can be adjusted to the right height and angle, and can be installed with one or two accessories. ADL can be mounted to a wheelchair, work chair, table or on a mobile carriage. This guarantees deployment that fits any use, and no one needs to be asked to help perform activities.

## Characteristics

The following accessories are offered: cup holder, smoking table and a mini-table. Individual accessories and adaption's can be supplied.

## Other characteristics

- Modular system of interchangeable accessories for daily use.
- Adjustable height and angle.
- Choice of attachment possibilities to all kinds of chairs, tables etc.
- Much attention given to details and functionality.



*ADL installed on a mobile carriage.*

ABN# 49 828 922 466

## Need more information, or like to see the product?

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