

# THE BUNGEE MOBILITY TRAINER

IMPROVES STATIC AND DYNAMIC STABILITY, MOBILITY AND WEIGHT-BEARING ABILITY



The NeuroGym® Bungee Mobility Trainer is a versatile body weight support mechanism enabling safe, intensive motor retraining. The unique patented design enables the re-training of gait and natural protective reactions by counteracting loss of stability as naturally as possible. Comparable to a pool environment in terms of support, the Bungee Mobility Trainer allows graduated weight-bearing while normal protective reactions such as side-stepping are re-developed. The Bungee Mobility Trainer provides graduated support from underneath, rather than a harness mechanism that provides the support from above. Supporting the patient from above does not allow this 'natural' graduated support, particularly upon loss of balance. The Bungee Mobility Trainer enables more realistic safe practice of gait, and most importantly, the protective reactions necessary to prevent falls. Designed to fit through a standard doorway, it is suitable for a variety of clinical settings. The base of the Bungee Mobility Trainer can be widened to enable mobility in all directions, and forearm supports can be added for users with weak trunk and upper extremities.

## CLINICAL APPLICATIONS

- BRAIN OR SPINAL CORD INJURY
- MULTIPLE SCLEROSIS
- STROKE
- FALLS PREVENTION TRAINING
- PARKINSON'S DISEASE

## KEY BENEFITS

### ● ENHANCE REACQUISITION OF MOTOR ABILITIES

Early mobilization of patients is often limited by the lack of a safe, effective way to initiate gait training. The Bungee Mobility Trainer permits graduated weight bearing and provides the safety and mobility necessary to retrain protective reactions like sidestepping and one leg stance.

### ● IMPROVE BALANCE

Static and dynamic stability can be retrained because of the graduated body weight support mechanism which enables the client to increase the amount of weight bearing as their strength, stamina and mobility improve. The rolling wheels allow for movement in any direction, enabling a patient to improve lateral, forward and backward mobility – crucial abilities for redeveloping the protective and corrective reactions necessary for safe ambulation.

### ● REDUCE NUMBER OF THERAPISTS NEEDED

The Bungee Mobility Trainer permits safe ambulation with graduated support, allowing patients to move freely and rest as needed on the seat. In some cases the client may even ambulate independently.

## TESTIMONIAL

"I've been in long term care for 16 years and this is actually the first time that I can see a piece of equipment impact so much on self-esteem and quality of life"

*Ginette Whittingham,  
Administrator, Villa Marconi  
Ottawa*



## IN ACTION

- Using the Bungee Mobility Trainer, an elderly nursing home resident with OA, a knee replacement and COPD improves his standing posture, balance and walking endurance. In the Bungee Mobility Trainer he can safely rest whenever he has shortness of breath and he is motivated and eager to walk.
- An elderly longterm care resident hadn't been able to golf for four years – an activity that he used to love. Within the safety of the Bungee Mobility Trainer, he can walk out to the facility's putting green and once again participate in a favorite activity. At the same time, he is regaining standing endurance, core strength, balance and weight-shifting skills.
- A 50 year-old man who had suffered a stroke several years earlier has used the Bungee Mobility Trainer to overcome deficits associated with right hemiplegia. His goal is to run again. With the Bungee Mobility Trainer he can practice the explosive push-off motion with the right leg that he otherwise does not have the strength and coordination to perform. The Bungee Mobility Trainer also provides him the stability required to shift his weight more fully to the right leg without losing balance.

The Bungee Mobility Trainer enables weight bearing through the lower extremities due to the pelvic support mechanism. It consists of:

- (a) a height-adjustable, padded seat with leg straps that secure the client into the device
- (b) a series of bungee cords that support the individual's body weight, thereby enabling weight bearing
- (c) a width adjustable frame with rolling casters for free movement in all directions

### SPECIFICATIONS

#### MODEL# EBW-A

- 30" w x 38" h  
(In its standard height configuration)
- Weighs 140lbs
- Supports up to 400lbs

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Too often physical frailty is seen as a fact of life for the elderly. Reduced strength in the lower limbs and overall weakness can lead to increased risk of falls and increasingly reduced participation in Activities of Daily Living. Until now, however, therapists, program managers and restorative care workers have had few, if any, practical tools to change this situation. The NeuroGym Technologies unique line of mobility training devices provides rehabilitation departments, long term care and nursing facilities with a solution.

The Bungee Mobility Trainer is one of several mobility enabling tools designed by NeuroGym Technologies to promote the motor-relearning process and significantly improve patient mobility. Each piece of equipment can be used on its own or combined with a biofeedback-based computer program.



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