

MiniTensor – multifunctional active training device with elastic resistance

Assures the neuromuscular dysfunctions therapy based on functional rehabilitation of the trunk, lower & upper extremities in closed kinematic chain

Small and portable device which can be used in different positions (ex.: upright position, staying in stride position, sitting position, sitting down, propped sit down position, on kneeling, lying back, lying sideways etc.) and surfaces (ex.: floor, couch, Swedish ladder support etc.)



Advantages:

- exercises difficulty level adaptation to the current needs of the patient by changing the number of rubber elastic bands (elastomers)
- measuring (visualization) of the amplitude (range) of motion and strength
- increased range of motion through active movements
- increased muscle strength and endurance
- improved stabilization of joints by proprioceptive reeducation
- improved muscular coordination
- the device can be attached to a bed or couch using the straps and holes on its base

Rubber elastomer resistance features:

- elimination of inertia applied force
- resistance is smoothly increasing during the movement, proportionally to motion amplitude
- reliability: rubber elastomer's long wearing out period 10 000 cycles

Maximum extension of the trolley: up to 37 cm of resistive moving

Resistance of each elastic band: from 1 kg in preload to 5 kg at maximum extension

Number of used elastic bands: from 1 to 6 bands

Maximum resistance: 30 kg

Adjustable foot support: horizontally, 20°, 55°, 65°, 85°

Dimensions (LxWxH): 1000 x 310 x 430 (180 if folded) mm

Weight: 13 kg

Equipped with non-slip feet for best adhesion to the floor surface

Optionally: carrying bag