

The FLOAT

Unrestricted gait training in a 3-dimensional space



The FLOAT is a dynamic multi-directional overhead body weight support (BWS) system that supports patients with gait impairments in the training and rehabilitation of their natural locomotion.

It allows patients after stroke, spinal cord or brain injuries, incomplete paraplegia or orthopedic patients to relearn walking and safely train in an unrestricted three-dimensional space.

Technical Data

Body weight support:	4 - 75 kg, 8 - 165 lbs (adjustable any time)
Patient weight:	20 - 185 kg, 44 - 408 lbs
Patient height:	100 - 200 cm, 3' 3" - 6' 7"
Maximum speed:	5 km/h, 3.1 mph
Rotation about the z-axis:	360° endless
Recommended space requirements (LxWxH):	10 m x 3 m x 3 m, 33 ft. x 10 ft x 10 ft
Operating Conditions Temperature:	10 - 35 °C, 50 - 95 °F
Relative air humidity:	30 - 75 %
Power Supply:	3 x 400 VAC + N + PE, 32A

Key Benefits:

Allows a safe training of the patient within a 3-dimensional space up to 15mx5mx5m (49ftx16.4ftx16.4ft).	Therapists have free access to the patient without the need to carry the weight of the patient thus ensuring less strain for therapists.
Patients can move freely and unrestricted in all directions, including rotating around their body axis.	A flexible and task specific dynamic body weight support smoothly follows all movements and enables a versatile training without limiting restrictions.

Safe training scenarios for “Activities of Daily Living”

The unique multidirectional freedom of the FLOAT allows to combine the system in an open space with a treadmill or tools like stairs, ramps, balance plates or virtual reality projectors.	The dynamic Body Weight Support enables a correct posture while exercising a broad range of training scenarios in a three-dimensional space, including sit-to-stand exercises or walking up and down stairs.
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