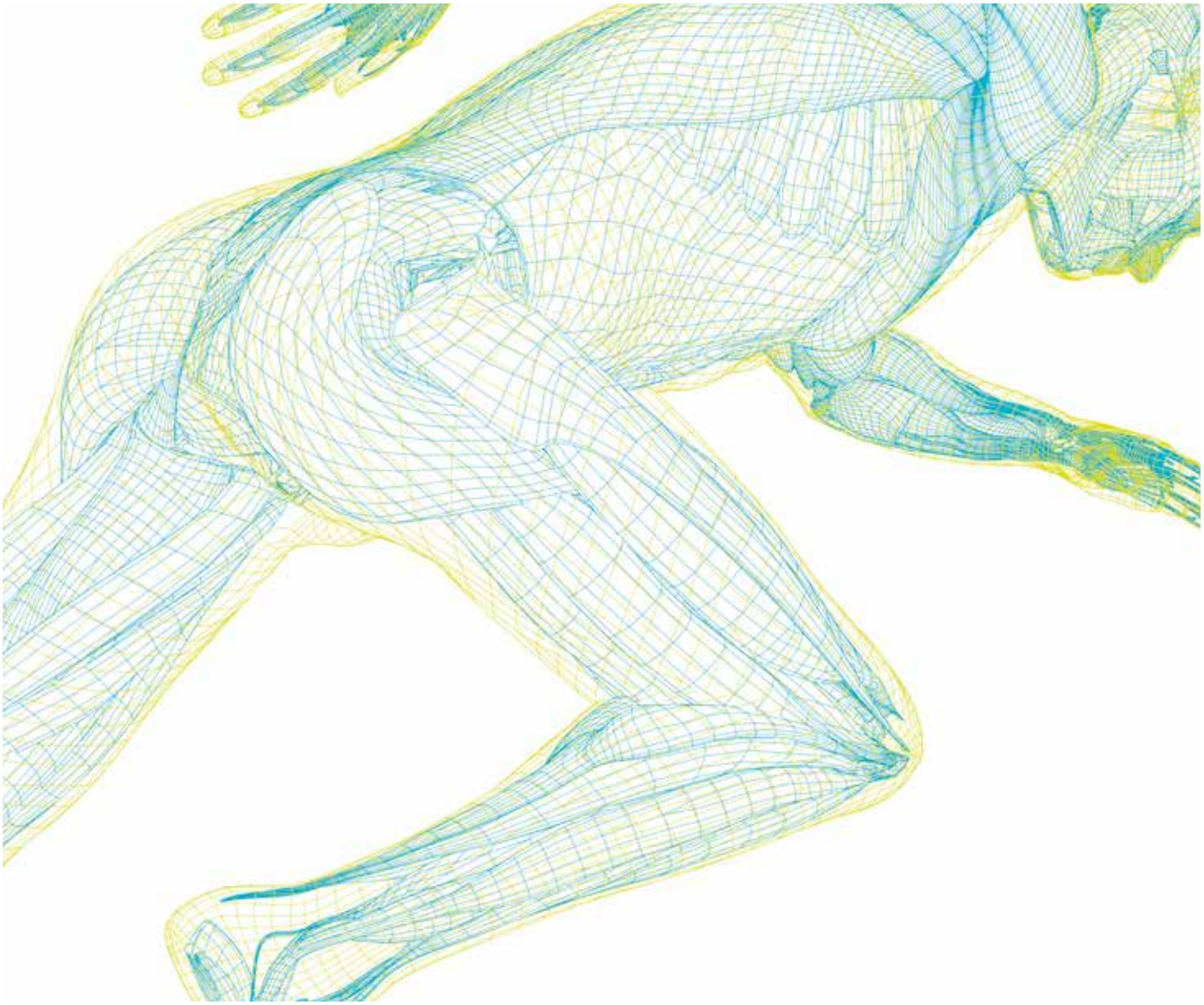
GENERAL CATALOGUE

BIOMECHANICAL DIAGNOSTICS AND THERAPY

- CON-TREX®:
  Neuromuscular Diagnostics and Therapy Systems
- Computer-Supported Test and Training Systems (CTT):
  Motor Controlled Feedback System for the Spine/Trunk
- PHYSIOMED Strength Line:
  Strength Training Units
- PHYSIOMED Cardio Line:
  Cardiovascular Training Units
- PHYSIORUN:
  Treadmill System with Gait Correction Training
- COBS:
  System for Coordination, Balance and Sensorimotor Effects



TECHNOLOGY FOR THERAPY

PHYSIOMED®

PHYSIOMED Strength Line

Dual system stack weight and functional resistance products for neuromuscular training.

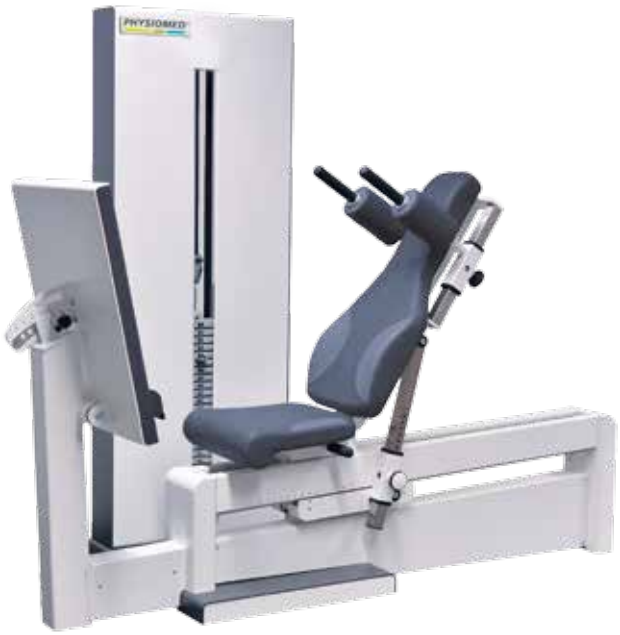
Neuromuscular training is a crucial part of medical training therapy and medical rehabilitation training. In addition to physiotherapy and physical therapy, strength training with weight-assisted devices is a form of therapy that serves to give individuals the necessary co-ordination and neuromuscular function to optimally reintegrate themselves into work, everyday life and sports.

With the PHYSIOMED Strength Line, a range of strength training devices has been developed in Germany that convinces with its appealing design and space-saving architecture. With a force measuring and documentation device, isometric measurements can be carried out easily on almost all strength-training devices. The system is simple, flexible and cost-effective. In this manner, quality assurance of a therapy course can be documented optimally. As a medical device of class I according to Directive 93/42/EEC, the PHYSIOMED Strength Line is an essential supplement for training therapy.


PHYSIOMED

Leg Press

Lower extremity training in closed kinetic chain



The Leg Press is used to train the femoral, gluteal and stabilizing dorsal muscles in closed chain. Practice can be carried out in sitting and in recumbent position, allowing high therapeutic variety. Thanks to the adjustable footplate, the patients' needs can be additionally addressed.

FEATURES

- Backrest adjustable from sitting to lying position (gas-spring-supported)
- Adjustable shoulder pads
- Deep entry for comfortable access
- 5-way adjustable large step plate with adjustable and removable heel support
- Ideally suited for explosive exercises
- Smooth-running low-noise sledge

TECHNICAL DATA

- Weight set: 165 kg (5 × 5 kg; 5 × 8 kg; 10 × 10 kg)
- Dimensions (L x W x H): 217 × 97 × 183 cm
- Weight: 446 kg

Leg Extension/Curl

Combination training for hamstrings and quadriceps

The Leg Extension / Curl is a combination device that allows both the anterior and the posterior thigh muscles to be trained in the open system. Translational displacement in the extension movement can be reduced by a position of the lower leg cushion very close to the knee. The adjustable seating unit enables optimum positioning in the axis of movement.

FEATURES

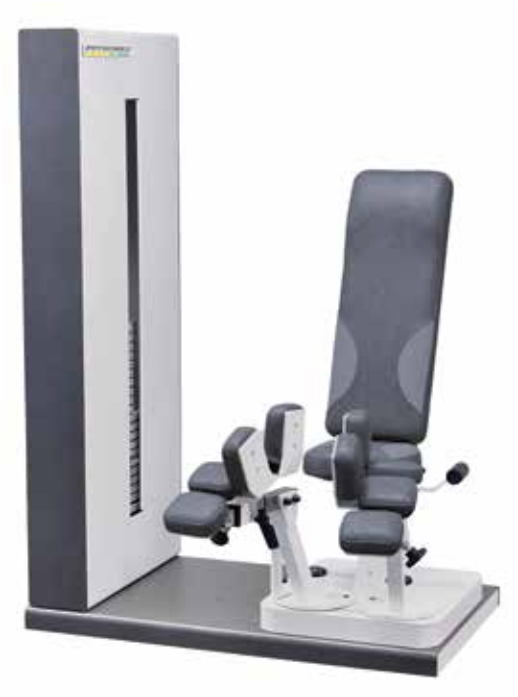
- For combined training of the anterior and posterior thigh muscles in a seated position
- Individually adjustable leg roll for training with optimal biomechanics
- Movement amplitude of the lever arm adjustable by means of locking bolts
- Easy seat cushion adjustment and adjustable back support for ideal pivot positioning

TECHNICAL DATA

- Weight set: 90 kg (5 × 3 kg; 5 × 5 kg; 5 × 10 kg)
- Dimensions (L x W x H): 115 × 104 × 163 cm
- Weight: 293 kg

Abduction/Adduction

Hip ab- and adduction in sitting and lying position



The combination device for leg abduction and adduction allows performance of these movements on one device. The adjustable backrest allows the therapist to influence the muscles involved, in order to be able to work effectively with the patient already in the early stages of rehabilitation.

FEATURES

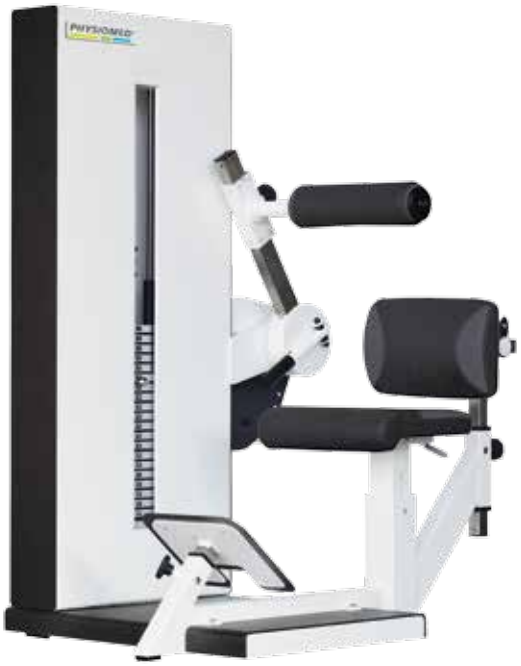
- For strengthening of the thigh abductors and adductors
- Starting position individually adjustable
- Leg support adjustable to leg length
- Backrest inclination-adjustable

TECHNICAL DATA

- Weight set: 80 kg (10 × 3 kg; 10 × 5 kg)
- Dimensions (L x W x H): 108 × 118 × 164 cm
- Weight: 312 kg

Trunk Extension/Flexion

Combination training of trunk and back muscles



The combination device for trunk flexion and extension strengthens the straight and oblique muscles of the back and abdomen in the sitting position. By adjusting the backrest cushion in two planes, the product can be optimally adapted to the patient's anthropometry.

FEATURES

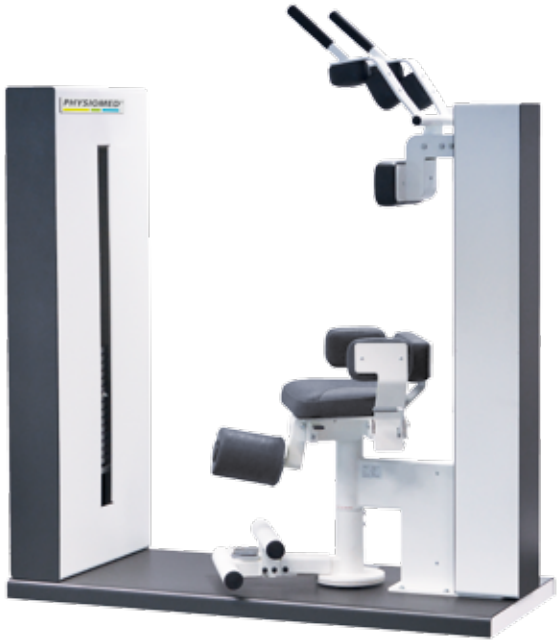
- For strengthening of the straight and oblique upper abdominal and dorsal muscles
- 2-axle adjustment of the seat position for optimal biomechanics
- Movement amplitude of the lever arm adjustable by means of locking bolts
- Continuously adjustable training arm
- Easy lockable start position adjustment and leg fixation

TECHNICAL DATA

- Weight set: 105 kg (5 × 3 kg; 10 × 5 kg; 5 × 8 kg)
- Dimensions (L x W x H): 168 × 98 × 163 cm
- Weight: 320 kg

Trunk Rotation

Bilateral trunk training for the stabilizing muscles of the spine



Trunk rotation is a movement of great importance for stabilisation of the spine, which is achieved by strengthening of the oblique abdominal muscles and small stabilising dorsal muscles. Via the movement of the lower body, the rotation can be performed in a manner controlled by the patient.

FEATURES

- For strengthening of the rotators and the oblique abdominal muscles
- Fixation by continuously adjustable pelvic cushions
- Easy entry thanks to fold-down leg cushion
- Fine-adjustable resistance permits optimum loading stimulation
- Adjustment of the preload via foot release

TECHNICAL DATA

- Weight set: 45 kg (15 × 3 kg)
- Dimensions (L x W x H): 164 × 68 × 165 cm
- Weight: 336 kg

Rowing/Chest Press

Combination training of shoulder, thoracic and pectoral muscles

The combination device for rowing and chest press is a space-saving product for implementing a functional movement for strengthening the back, shoulder and chest muscles. The intelligent solution of the rotating mechanism of the back and breast cushion helps the patient to stabilise optimally.

FEATURES

- For strengthening of the back, shoulder and chest muscles
- Seat height continuously adjustable by means of gas spring
- Breast cushion not adjustable, becomes backrest after turning
- Starting position of the lever selectable with 3 locking positions
- 2 horizontal and one vertical handle position

TECHNICAL DATA

- Weight set: 90 kg (5 × 3 kg; 5 × 5 kg; 5 × 10 kg)
- Dimensions (L x W x H): 176 × 94 × 165 cm
- Weight: 314 kg

Pulldown/Dip

Combination training for lat pulldown and dips

The upper extremities of the shoulder and arm extensor muscles are strengthened with the Pulldown / Dips combination device. The linear movement concept allows guided and controlled implementation.

FEATURES

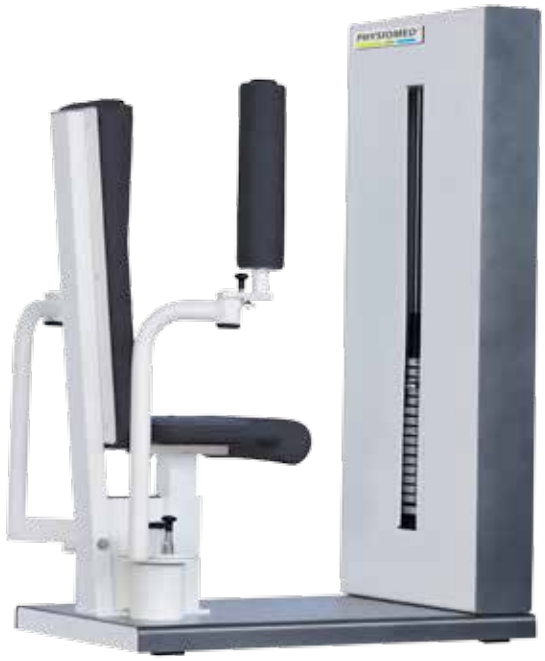
- For strengthening of the upper extremities, in particular of the shoulder and arm extensor muscles
- Linear exercise concept
- Flexible handle variants allow biomechanical optimal movement
- Multiple adjustment in positioning dips and pulldown
- Seat height continuously adjustable by means of gas spring
- Easy handling and simple operation

TECHNICAL DATA

- Weight set: 90 kg (5 × 3 kg; 5 × 5 kg; 5 × 10 kg)
- Dimensions (L x W x H): 120 × 80 × 195 cm
- Weight: 360 kg

Butterfly/Pressback

Combination training of shoulder, shoulder blade and pectoral muscles



The Butterfly/Pressback is a combination device for strengthening of the back, shoulder and chest muscles. The settings can be adjusted from the seated position.

FEATURES

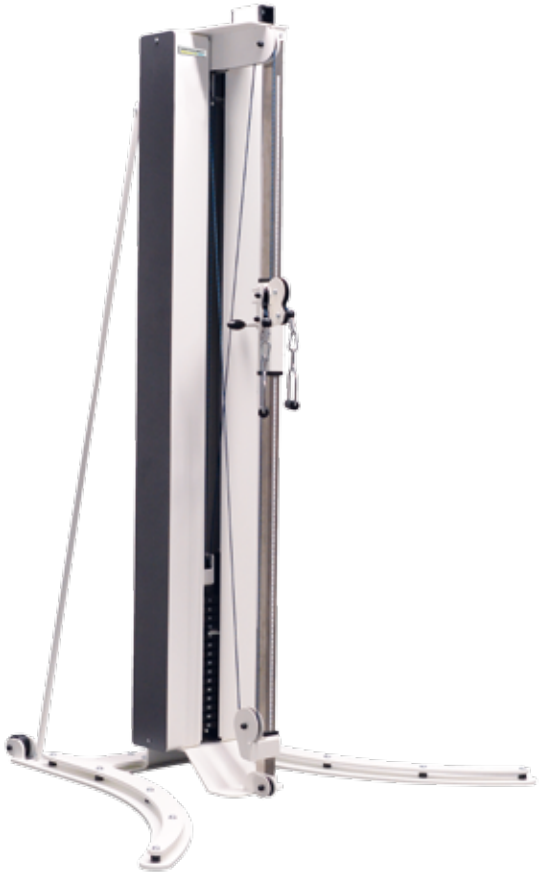
- For strengthening of the back, shoulder and chest muscles
- Gas-spring-supported seat adjustment
- Width adjustment of the training arms
- Movement amplitude and starting point of the training arms adjustable
- Easily adjustable armrest for optimum positioning

TECHNICAL DATA

- Weight set: 80 kg (5 × 3 kg; 5 × 5 kg; 5 × 8 kg)
- Dimensions (L x W x H): 115 × 122 × 163 cm
- Weight: 314 kg

Cable Column Explosive

Pulley system for functional resistance training



To complement the therapy supported by strength-training devices, an explosive cable pulley system with the Explosiv pulley device is important for implementing functional exercises and movements involving small muscle parts. The multiple deflection of the weight permits selecting a very low initial load.

FEATURES

Ratio 1:3 and 1:6

TECHNICAL DATA

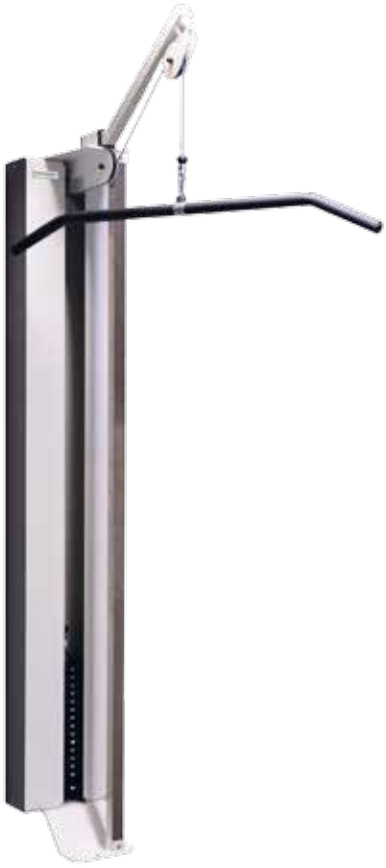
Weight set: 65 kg (5 × 3 kg; 10 × 5 kg)

Dimensions (L x W x H): 45 × 36 × 223 cm

Weight: 110 kg

Cable Column Vertical

Lat pull system for functional training



The pull-down movement with the vertikal pull device allows a functional performance that can be easily combined with a training bench or various unstable seating positions. The direct force transmission allows 1:1 weight transfer.

FEATURES

With hoist and lat pull bar

Ratio 1:1

TECHNICAL DATA

Weight set: 65 kg (5 × 3 kg; 10 × 5 kg)

Dimensions (L x W x H): 45 × 36 × 248 cm

Weight: 90 kg

Training Bench Design

Bench for resistance training with cable column or free weight

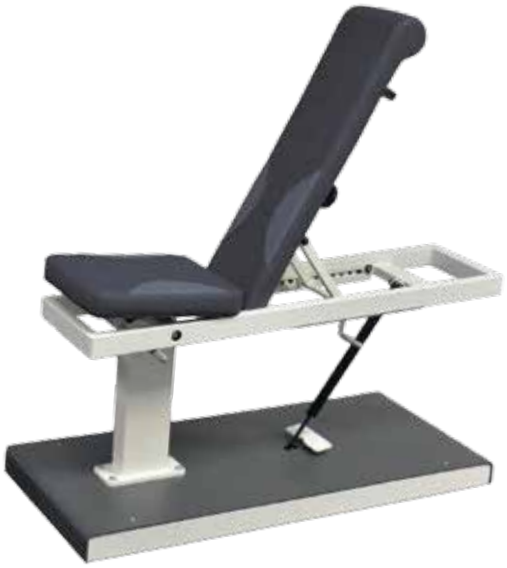
The Design training bench is a bipartite training bench whose inclination can also be adjusted to offer versatile possibilities in combination with a rowing machine or with dumbbells.

FEATURES

- For universal use
- Backrest adjustable from 0 ° to 85 °
- Seat angle adjustable by foot release from -9 ° to + 10 °

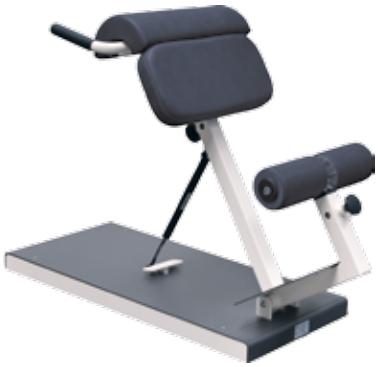
TECHNICAL DATA

- Dimensions (L x W x H): 126 × 50 × 56 cm
- Weight: 51 kg



Trunk Lift Machine

Body weight training for the trunk and back muscles



The trunk lifter is optimally suited for strengthening of the dorsal muscles. Especially in combination with a rowing machine or small appliances (dumbbells, balls, etc.), demanding exercises can be implemented.

FEATURES

- For strengthening of the dorsal muscles
- Angle adjustment by foot release
- Height-adjustable padding
- Inclination adjustment from 45 ° to 75 °

TECHNICAL DATA

- Dimensions (L x W x H): 133 × 67 × 108 cm
- Weight: 45 kg

Crunch Machine

Body weight training for the trunk

The chest cruncher allows the straight and oblique abdominal muscles to be strengthened; its load can be adjusted by means of a gas spring.

FEATURES

- For training and strengthening of the straight and oblique abdominal muscles
- Inclination adjustable from +13 ° to -10 °
- Height adjustment of the footrest from 35 to 55 cm

TECHNICAL DATA

- Dimensions (L x W x H): 161 × 48 × 107 cm
- Weight: 62 kg

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