Katana sport

Unique Slat Technology

Lode Slat Technology

rubber pellets multilayered rubber coating

glass- and carbon fiber profile

mounting clip

shock absorbing material allows for cantilever movement to support optimal foot roll off

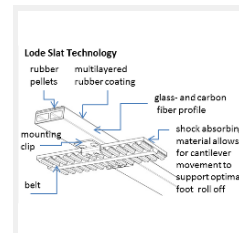belt

Highlights

Unique Walking Experience

The slat-belt technology provides a unique walking experience which approaches the feeling of running on a track

Standard max speed of 30 km/h

The standard maximum speed of the treadmill is 30 km/h

Shock absorbing design

The design guarantees shock absorption with preservation of the natural walking feeling.

Smooth acceleration

All treadmills have a smooth acceleration from 0 km/h to the start speed.

Compatible with ECG and pulmonary devices

The treadmill can be controlled by all external stress test ECG and ergospirometry devices through the RS232 or USB port. This is possible because besides the programmed Lode protocol, all known communication protocols are programmed as well.

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The Katana sport is a modern and reliable treadmill that can be connected to external ECG- and pulmonary devices as well as to a Lode software network (LEM or LCRM). The Katana sport offers smooth acceleration and is continuously adjustable in a range of 0,5 – 30 km/h. The walking surface of 190 x 70 cm and elevation of 0 - 25%, make this treadmill the perfect solution for use in sport medical settings. The treadmill is equipped with a 7" Control Unit with Touchscreen and fixed side handrails.The treadmill is executed with a special Lode Slat Technology with 106 soft grip covered slats that allows for high speed and a natural walking and running experience. Its unique bearing technology delivers high speeds at low noise levels while needing low maintenance. The function of this product can be enhanced by using it in combination with our Lode Ergometry Manager software. 934900: 400 V - 3 phases 934901: 200 V - 3 phases
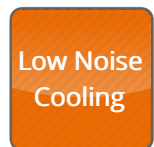
A USB A-B cable for service purposes as well as connecting to ECG and pulmonary testing devices will be standard delivered with the product. To connect older ECG and pulmonary testing devices with RS232 or other connectors you need a special interface cable that can be ordered separately. To connect LEM or LCRM you need a special interface cable that can be ordered under part number 930930.

Features

LEM compatible

This product can be used with Lode Ergometry Manager (LEM) software to manage data and to apply specific protocols when a Communication card or Network card is present

Fully software controlled electronic fans

The electronic fans in the motor compartment are fully software controlled for low noise at low belt speeds and independent forced air cooling of the motor for maximum power output at high belt speeds.

Application specific motor design

Specific motor winding, enabling high current throughput over full motor frequency range, resulting in high torque at low belt speeds and maximum power at high belt speeds.

Closed loop motor control

This way of motor control enables
- Full brake at zero speed.
- Rigid speed control at all speeds, typically at interest when using steep angles, low speeds and/or high Test Subject weight.
- Load independent speed
- Angle independent speed

10 years service

This product can be serviced for 10 years after phase-out

Standard Safety Lanyard

The product comes with a standard safety lanyard to enable automatic emergency stop

Service friendly slat treadmill

Lode slat treadmills are almost maintenance free. Because of the unique slat technology no bearing-greasing is required. The only annual maintenance that has to be done is checking the running and electrical parts and the velocity calibration of the treadmill.

Downhill walking as an option (-25%)

This treadmill can be executed with 25% negative elevation. This allows for downhill walking which is extremely useful for rehabilitation of certain injuries.

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Katana sport can a.o be extended with the following options:

USB to Serial converter

Easy connection

Partnumber: 226012

Universal treadmill Arm Support
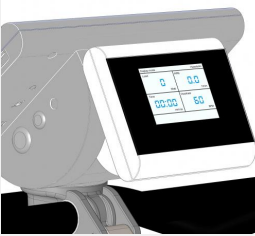
Comfort for both test subject and test

Partnumber: 945805

Rear Elevation -25% electrical Katana sport

Possibility of downhill walking

Partnumber: 934808

Emergency Stop Button

Ultimate safety

Partnumber: 945804

Safety Belt and Fall stop for Katana sport

Extra safety

Partnumber: 934821

Handrail, removable - for Katana sport

Convenient removal of handrail for many

Partnumber: 934811

Extension for emergency lanyard

Original Accessory

Partnumber: 945931

Speed 40 km/h

Extra high speed

MAXIMUM 40

Partnumber: 934840

Blood Pressure Measurement with ECG trigger for treadmills

with ECG trigger

Partnumber: 945824

Reverse walking for Katana

walking backwards

Partnumber: 934842

Autospeed

Flexibility in exercising

AUTOSPEED

Partnumber: 945840

Heart rate for treadmills

Heart rate in beats per minute

Partnumber: 945820

SpO2 for control unit with touch panel (treadmill)

Oxygen saturation

Partnumber: 945822

Table foot for Control Unit with Touchscreen

Control from any desired place

Partnumber: 945818

Colour Display 3.5" - 2nd screen

Multifunctionality

Partnumber: 945819

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Specifications

Workload

Maximum speed	30 km/h	18.6 mph
Minimum operational speed	0.1 km/h	0.1 mph
Speed adjustment steps	0.1 km/h	0.1 mph
Positive elevation	25 %	
Elevation adjustment steps	0.5 %	
Optional negative elevation	-25 %	

Accuracy

Elevation readout accuracy	0.3 %	
Speed readout accuracy	0.5 km/h	0.3 mph

Comfort

Allowed user weight	225 kg	496 lbs

Connectivity

Lode ERM interface protocol	✔
"HP Cosmos" interface protocol	✔
"Woodway" interface protocol	✔
"Trackmaster" interface protocol	✔
"GE" interface protocol	✔
USB connector	✔

Dimensions

Screen resolution	800 x 400 pixels	
Walking surface length	190 cm	74.8 inch
Walking surface width	70 cm	27.6 inch
Step up height	29 cm	11.4 inch
Product length (cm)	250 cm	98.4 inch
Product width (cm)	106 cm	41.7 inch
Product height	145 cm	57.1 inch
Product weight	380 kg	837.8 lbs

Power requirements

Power cord 3L+N+PE	✔
Power cord NEMA	✖
Maximum rated power input	5000 VA
3 x 400 V	✔
Maximum motor power	3.1 kW

Standards & Safety

IEC 60601-1:2005	✔
ISO 13485:2016 compliant	✔
ISO 9001:2015 compliant	✔
Standard emergency lanyard	✔
Step up plate emergency stop	✔

Certification

CE class Im according to MDD93/42/EEC	✔
CE class of product with optional SpO2	IIa
CE class of product with optional BPM	IIa

Order info

Partnumber:	934900

Specifications are subject to change without notice.