

## Product information

# **Magnet hole grasping unit with handle set WP 5**

**19-piece beech wood with shaped sheet  
metal part**

Art. No. 1623610



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## 1 General application areas for magnetic grasping unit

WorkPark provides treatment options for the implementation of occupational therapy within the framework of medical/professional rehabilitation. On the basis of a job analysis (activity profile), motor/functional exercise treatments which are occupation-specific, as well as skills profiles and performance analyses, can be prepared.

The therapy devices of the WorkPark are multifunctional and can be combined with each other, so that complex treatments or complex orders can be trained. All devices can thus be used for injuries to the upper and lower extremities. Further on in the course of treatment, it is possible to increase the repetitions, speed, obstacles, weight of the objects to be carried and work heights.

The device complies with the Regulation (EU) 2017/745 on medical devices.

Manufacturer: Nitzbon AG, Osterrade 14, D-21031 Hamburg, [www.nitzbon.de](http://www.nitzbon.de), [info@nitzbon.de](mailto:info@nitzbon.de)

A 19-piece handle set made of beech wood allows for the training of active gripping types. Gripping functions such as fist grip, key grip, cylinder grip and pointed grip can be trained in 3 gradations each. The gripping shapes are ideally integrated into complex movements by the combination with the magnet gripping world. Furthermore, the handle set can be integrated in a variety of ways in exercises with the magnetic wall WP 10, the wall system WP 3 and the training device rotary table Serial production WP 8.

The frame, which is edged in three levels, is a shaped sheet metal part, which is shaped as a 1-step staircase.

It is designed as a skill field for hand-hand coordination, among other things. The floor space takes up  $\frac{1}{4}$  of the round table top from the serial production WP 8 rotary table.

## 2 Safety instructions



- Secure wooden shapes against rolling away.  
Risk of falling from work surfaces.
- Separating the wooden shapes from metal surfaces by lateral tilting movement  
Risk of losing balance (tripping/falling) due to jerky movement during sudden removal of the shapes held by magnetic force.
- As a user of pacemakers and implanted defibrillators, keep a sufficient distance from magnets.
- Warn carriers of such devices from approaching magnets.

### 2.1 Application areas

- Use in medical-vocational rehabilitation (MBOR)
  - \* Possible applications in inpatient and outpatient occupational therapy (BGSW, EAP and occupational therapy practices)
  - \* Work simulation training
  - \* Comparison of activity profile and skill profile
  - \* Preparation of labour market-related occupational therapy performance analyses



### 2.2 Contraindications and exclusions

- Known unstable cardiovascular diseases without preliminary cardiological examination
  - \* Known lung diseases with risk of spontaneous pneumothorax
  - \* Known osteoporosis from stage 2
  - \* Known vertebral sliding from stage 2
  - \* Inflammatory joint diseases in acute relapse
  - \* Osteosyntheses unstable to stress
  - \* Acute diseases of the central nervous system
  - \* Acute infections
  - \* Fresh thrombosis
- Pregnancy

- \* Severe visual impairment (visual acuity < 0.02 on both sides with correction, central visual field failures)
- \* Global respiratory insufficiency (insufficient breathing)
- \* Severe cognitive impairment
- \* Lack of compliance

**Criteria for discontinuing the use of this device for therapeutic purposes:**

- \* Reaching the exercise frequency (heart rate 220 beats / min. minus age)
- \* Increasing pain manifestations or multiple pain-related interruptions as well as vegetative signs of comprehensible pain
- \* Increasingly unphysiological posture
- \* Uncertainty in load handling
- \* Other vegetative abnormalities (pallor, redness of the skin, sweating, tremor)

### **3 Qualification of the operator and user**

#### **3.1 Operator**

An operator is any natural individual or legal entity (e.g. clinic, hospital, rehabilitation facility, hospital management) which owns the device. The operator is responsible for the safe operation of this medical device.

#### **3.2 Obligations of the operator**

You must observe your obligations as an operator in accordance with the Medical Device Operator Ordinance (MPBetreibV) in order to ensure the long-term safe operation of this medical device without endangering patients, applications or third parties.

Only allow persons who have received training to operate this WorkPark device!

Inform the user where this instruction manual is stored in accordance with Section 9 Medical Device Operator Ordinance (MPBetreibV)! Use this instruction manual, which is supplied with the WorkPark device, to instruct users in how to operate the therapy device safely before using it for the first time.

Make every user aware of the possible hazards caused by improper use of the WorkPark device.

Ensure that all colleagues have received adequate instruction in how to operate the WorkPark device and ensure that the safety instructions are observed!

After a reasonable period of time (at least every 12 months), carry out a check to ensure that the device is working properly and that there are no defects!

If the operator of the WorkPark device changes, the instruction manual must be passed to the new operator.

### 3.3 Users

Users (e.g. therapists, doctors) are persons who, by virtue of their training, experience or instruction, are authorised to operate the WorkPark device or to explain to the patient how the device may be used.

Furthermore, they are able to recognise or avoid possible dangers.

Users with a technical background (e.g. in-house technicians, service technicians) are persons who, by virtue of their training or instruction by the operator, are able to carry out special technical work on the WorkPark device.

### 3.4 Qualification of users

The operator may only allow users with the following two minimum qualifications to operate the WorkPark device:

Medical/therapeutic training

Instruction in the handling of the WorkPark device by the operator

In order to install the WorkPark device, the user with a technical background must have read and understood the instruction manual.

Maintenance of the WorkPark device requires prior instruction from the manufacturer.

### 3.5 Obligations of users

Have the operator instruct you on the safe operation of this WorkPark device.

In accordance with Section 2 MPBetreibV, before each use of the WorkPark device, you, as a user, are obliged to ensure that the device is functional and in good condition and to observe the instruction manual (especially the safety instructions) when operating the device for maintenance. Only in this way can incorrect operation be avoided and correct operation ensured in order to avoid damage to persons and materials.

Make sure that there are no obstacles in the way when adjusting the height or depth of the device.

When setting up or assembling other WorkPark devices, ensure that all devices are secured well and are in good working order.



#### CAUTION!

Decommission the WorkPark device if you suspect that it is damaged or may malfunction!

If this is the case, clearly mark the WorkPark device as DEFECTIVE and report the issue to your responsible operator immediately.

## 4 Scope of delivery

- 19-piece made of beech wood consisting of different sized wooden blocks, balls, round woods, wooden wedges, handle with key pins, surfaces sanded, double-oiled, provided with magnets.
  - 1 piece wooden handle with key pin
  - 1 piece wooden cuboid
  - 2 pieces wooden wedges, different sizes
  - 3 pieces balls, different diameters
  - 6 pieces round wood, different lengths and thicknesses
  - 6 pieces wooden discs with cones, different sizes
- Grasping unit: 1-step shaped sheet metal part
- Screw Set Art. No. 16235003 60-piece

## 5 Maintenance and care

Like any other product that is subjected to intensive use, this product also requires regular maintenance and care.

We recommend carrying out maintenance every 12 months.

Inspection, maintenance or repair works must be carried out by personnel who have received the proper training.

Please check for perfect condition of the wooden handles before each use. No magnets must be missing and it must be ensured that there are no chipping and/or sharp-edged corners or edges.

Please note the following care instructions:

- Never clean the surfaces with running water!
- Clean with a damp cloth and use only mild, soap-based cleaning agents.
- After wiping, dry all surfaces with a cloth.
- Do not use scouring agents!
- The oil used is a product of
- the company Livos, Kunos natural oil seal colourless.
- This oil is saliva-resistant and approved for children's toys.

## 6 Handling magnets

According to the current state of knowledge, magnetic fields of permanent magnets have no measurable positive or negative effect on humans. A health hazard caused by the magnetic field of a permanent magnet are unlikely, but cannot be completely ruled out. For your safety, avoid long-term contact with the magnets.

Magnets can affect the functioning of pacemakers and implanted defibrillators.

- If you have such a device implanted, keep a sufficient distance from magnets.
- Warn persons who have such devices implanted about getting close to magnets!

Excessive or jerky movements, signs of fatigue and material defects can cause a magnet to detach from its adhesive base. Falling objects can cause injury!

- The adhesive force is achieved only under ideal conditions.
- Figure in a high safety factor. Do not use magnets in places where people may be injured in the event of material failure.

## **Magnetic field**

Magnets create a far-reaching, strong magnetic field. You can, among other things, damage televisions and laptops, computer hard drives, credit cards and EC cards, data carriers, mechanical watches, hearing aids and loudspeakers.

- Keep magnets away from all devices and objects that can be damaged by strong magnetic fields!

## **7 Technical Data**

Stair-shaped bent steel sheet, 570x500x380 mm, rounded at the corners and deburred on all sides, incl. 4 pieces of rubber pads for stability, surface similar to light grey. RAL 7035 powder-coated

19-piece wooden shapes made of oiled beech wood equipped with magnets.  
Set of screws Steel screws and nuts galvanized 60-piece



## 8 Product labelling



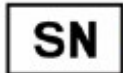
The device complies with the Regulation (EU) 2017/745 on medical devices.



Name and address of the manufacturer



Date of manufacture



Serial number



Read the instructions for safety-related information and warnings.



The product is a medical device.



UDI-DI for clear product identification

## 8.1 Explanation of symbols



Warning of a potentially dangerous situation. In this case, it can lead to serious injury or death.



An indication of a potentially dangerous situation that can lead to minor or moderate injuries. It can also be used to warn against unsafe practices.



Always keep this manual in the immediate vicinity of the product. The use, installation and maintenance of this product must be carried out in accordance with these instructions in order to avoid accidents and serious injuries. Never use or handle this product in any other way than described in this manual, as this may lead to personal safety risks and/or damage to the product. Persons installing this product and/or using it as an operator or patient should have the necessary safety information and access to this manual.



Always follow the instructions in this manual to avoid damage or destruction of the product. Otherwise, the safety of this product may be compromised. Do not carry out repairs, disassembly or assembly work, extensions, new settings or modifications of the product that go beyond the possibilities described in this manual. These must be carried out by Nitzbon or by personnel authorised by Nitzbon. Do not perform maintenance while working with a patient. Do not allow children to use this product unless they are supervised by an adult who has read and understood this manual. The product is not intended as a plaything. Do not use the product if it has defects or has been damaged before it has been repaired or replaced.

## 9 WorkPark WP 5 Magnetic gripping world with handle set

All WorkPark devices can be used for training purposes in the case of injuries to both the upper and lower limbs. The training devices can all be combined, resulting in multifunctional use for complex movements. The therapy materials comply with international industry standards.

### Possible application:

Inpatient and outpatient work therapy  
 Work simulation training  
 Matching activity profile and skill profile  
 Creating employment-related performance analyses via work therapy  
 Workplace-related musculoskeletal rehabilitation

With the magnetic grasping unit WP 5, the following types of exertion can be evaluated and practised:

### Standing

Flat ground in connection with work in a small and large gripping space (up to overhead) in a static standing position.	<i>In combination with the different handles</i>
Working in a dynamic standing position in connection with walking routes in the radius of action of 15 m	<i>In combination with the different handles Combination options: Magnetic board WP 10, wall system WP 6, Working shelf WP 1</i>
in connection with bending forward	<i>In combination with the different handles</i>
Working in a dynamic standing position in connection with right/left rotation	<i>In combination with the different handles</i>
in connection with repeated knee flexion	<i>In combination with the different handles</i>
Forefoot strain	<i>In combination with the different handles</i>

### Kneeling

Kneeling in connection with work in the large grasping area	<i>In combination with the different handles</i>
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### Squatting

Squatting in connection with work in the large grasping area (near the floor)	<i>In combination with the different handles</i>
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## Continuation of work sheet WP 5

### Working in the small grasping area

Work in the small grasping area	<p><i>In combination with the various handles close to the body</i></p> <p>Grasping types: Pinch grip, cylindrical grip, fist closure, hooked grip, fine pinch grip, lateral pinch grip</p>
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### Working in the large grasping area (away from the body and up to overhead)

Maximum grasping area	<p><i>In combination with the various handles away from the body</i></p> <p>Grasping types: Pinch grip, cylindrical grip, fist closure, hooked grip, fine pinch grip, lateral pinch grip</p> <p><i>In combination with gross motor activities:</i></p> <p><i>WP working materials (tools)</i></p>
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### Hand coordination

<p>Hand-hand coordination</p> <p>Eye-hand coordination</p> <p>Covered</p>	<p>In combination with <i>the various handles</i></p> <p>Grasping types: Pointed handle, Cylinder handle, Fist closure, Hook handle, Fine pointed handle, Lateral pointed handle.</p>
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### Activities while sitting

<p>Working in a sitting position (endurance):</p> <p>Working in an inclined position:</p>	<p><i>In combination with the different handles</i></p>
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## 10 WORKPARK SERVICE DESCRIPTION

All WorkPark devices can be used for training purposes in the case of injuries to both the upper and lower limbs. The devices can be combined with each other, resulting in a large number of variations.

The WorkPark devices can be used for evaluation and training purposes for the following forms of exercise:

### Standing

<p><b>Level ground combined with work in the small and large grasping area (up to overhead) in static standing position</b> Specification 1 hour</p>	<p><i>Mobile standing unit gross motor skills WP 9, mobile accessory table WP 2, serially produced turntable WP 8, magnetic board WP 10, work shelf WP 1, Wall system WP 3, scaling unit WP 13</i></p>
<p><b>Working in a dynamic standing position combined with walking routes in the 15 m radius of action</b></p>	<p><i>Combinations: Work shelf WP 1, multifunction box WP 12, Walker pull-push dynamic WP 14, Mobile pull-push WP 15, work materials WP</i></p>
<p><b>combined with bending and leaning forwards</b></p>	<p><i>Combinations: work shelf WP 1, obstacle bar WP 6, magnetic board WP 10, mobile standing unit gross motor skills WP 9, scaling unit WP 13, work materials WP</i></p>
<p><b>Working in a dynamic standing position combined with rotation right/left</b></p>	<p><i>Combinations: work shelf WP 1, work materials WP, magnetic board WP 10, mobile standing unit gross motor skills WP 9, obstacle bar WP 6, scaling unit WP 13</i></p>
<p><b>combined with repeated knee bending</b></p>	<p><i>Combinations: work shelf WP 1, obstacle bar WP 6, magnetic board WP 10, mobile standing unit gross motor skills WP 9, scaling unit WP 13, work materials WP</i></p>
<p><b>Weight-bearing on the forefoot</b></p>	<p><i>balancing bar WP 11, mini step ladder WP 7, multifunction box WP 12</i></p>
<p><b>Standing on the right leg only</b></p>	<p><i>Obstacle bar WP 6, balancing bar WP 11</i></p>
<p><b>Standing on the left leg only</b></p>	<p><i>Obstacle bar WP 6, balancing bar WP 11</i></p>

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## Standing + lifting

<b>From ground level to table height Lifting and setting down payloads with both hands in front of the body</b>	<i>Work shelf WP 1, work materials WP (boxes, bags)</i>
<b>From ground level to chest height Lifting and setting down payloads with both hands in front of the body</b>	<i>Work shelf WP 1, work materials WP (boxes, bags)</i>
<b>From ground level to overhead Lifting and setting down payloads with both hands in front of the body</b>	<i>Work shelf WP 1, work materials WP (boxes, bags)</i>
<b>to the right side of the body</b>	<i>Work shelf WP 1, Work materials WP (canisters, buckets)</i>
<b>to the left side of the body</b>	<i>Work shelf WP 1, Work materials WP (canisters, buckets)</i>

## Kneeling

<b>Kneeling combined with work in the large grasping area</b>	<i>Wall system WP 3, work shelf WP 1, mobile standing unit gross motor skills WP 9, magnetic board WP 10</i>
<b>Crawling</b>	<i>Obstacle bar WP 6</i>

## Squatting

<b>Squatting combined with work in the large grasping area (ground level)</b>	<i>Wall system WP 3, work shelf WP 1, mobile standing device gross motor skills WP 9, magnetic board WP 10, walker pull-push dynamic WP 14</i>
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## Walking and carrying

<b>Walking on an even surface Walk a short distance: Specification 1 km Walk a long distance: more than 1 km</b>	<i>combinations; work shelf WP 1, multifunction box WP 12, work materials WP</i>
<b>Walking on an uneven surface</b>	<i>Multifunction box WP 12</i>
<b>Running</b>	<i>WP stopwatch</i>
<b>carrying loads with both hands in front of the body</b>	<i>Work materials WP (boxes, bags, tubs)</i>
<b>carrying loads on the right</b>	<i>Work materials WP (canisters, buckets)</i>
<b>carrying loads on the left</b>	<i>Work materials WP (canisters, buckets)</i>
<b>Balance</b>	<i>Balancing bar WP 11, obstacle bar WP 6</i>
<b>Going up and down a 30° slope without stopping</b>	<i>Multifunction box WP 12</i>
<b>Walking on bridges, rafters and lubricants without stopping</b>	<i>Balancing bar WP 11</i>
<b>Overcoming obstacles</b>	<i>Obstacle bar WP 6</i>

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### Pushing + pulling

<b>Pulling/pushing a lift truck</b>	<i>Pull-push device WP 4, Walker pull-push dynamic WP 14, mobile pull-push WP 15</i>
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### Climbing a ladder, working whilst standing on a ladder

<b>Going up and down a ladder with wide rungs</b>	<i>Mini step ladder WP 7</i>
<b>Standing on the ladder with a stop on the right</b>	<i>Mini step ladder WP 7 combined with wall system WP 3, work shelf WP 1, magnetic board WP 10, grasping unit WP 5</i>
<b>Standing on the ladder with a stop on the left</b>	<i>Mini step ladder WP 7 combined with wall system WP 3, work shelf WP 1, magnetic board WP 10, grasping unit WP 5</i>
<b>Standing on the ladder combined with work in the small and large grasping area</b>	<i>Mini step ladder WP 7 combined with wall system WP 3, work shelf WP 1, magnetic board WP 10, grasping unit WP 7</i>

### Working in the small grasping area

<b>Working in the small grasping area</b>	<p><i><u>Fine motor activities close to the body (functional hand) grasping unit WP 5</u></i></p> <p><b>Grasping types:</b> Pinch grip, cylindrical grip, fist closure, hooked grip, fine pinch grip, lateral pinch grip</p> <p><i><u>Gross motor activities close to the body (functional hand/supporting hand):</u></i></p> <p><i>Pull-push and impact loads mobile standing device gross motor skills WP 9, work materials WP</i></p>
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### Working in the large grasping area (away from the body and up to overhead)

<b>Maximum grasping area</b>	<p><i><u>Fine motor activities away from the body Grasping unit WP 5, wall system WP 3, serially produced turntable WP 8, magnetic board WP 10</u></i></p> <p><b>Grasping types:</b> Pinch grip, cylindrical grip, fist closure, hooked grip, fine pinch grip, lateral pinch grip</p> <p><i><u>Gross motor activities away from the body: Pull-push impact loads</u></i></p> <p><i>Wall system WP 3, pull-push device WP 4, mobile standing unit gross motor skills WP 9</i></p>
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## Hand coordination

<b>Hand-hand coordination</b> <b>Eye-hand coordination</b> <b>Concealed</b>	<i>Grasping unit WP 5, serially produced turntable WP 8, magnetic board WP 10, wall system WP 3,</i> <b>Grasping types:</b> Pinch grip, cylindrical grip, fist closure, hooked grip, fine pinch grip, lateral pinch grip
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## Static strain work

<b>Possible pressure on a vertical surface or object on the left (supporting hand)</b>	<i>Pull-push device WP 4, walker pull-push dynamic WP 14</i>
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## Working with tools

<b>Working with tools:</b> <b>wrench, screwdriver, hammer, pliers</b>	<i>Work materials WP combined with wall system WP 3, mobile standing unit gross motor skills WP 9</i>
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## Throwing and catching

<b>Specification: Throw and catch a 5 kg sandbag on target, one-handed right/left</b>	<i>Work materials WP</i>
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## Sitting activities

<b>Working in a sitting position (endurance):</b> <b>Working in a forward-leaning position:</b>	<i>Serially produced turntable WP 8, wall system 3, combined with grasping unit WP 5</i>
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