# Productinformation

# Wall System WP3

Item No. 1622100

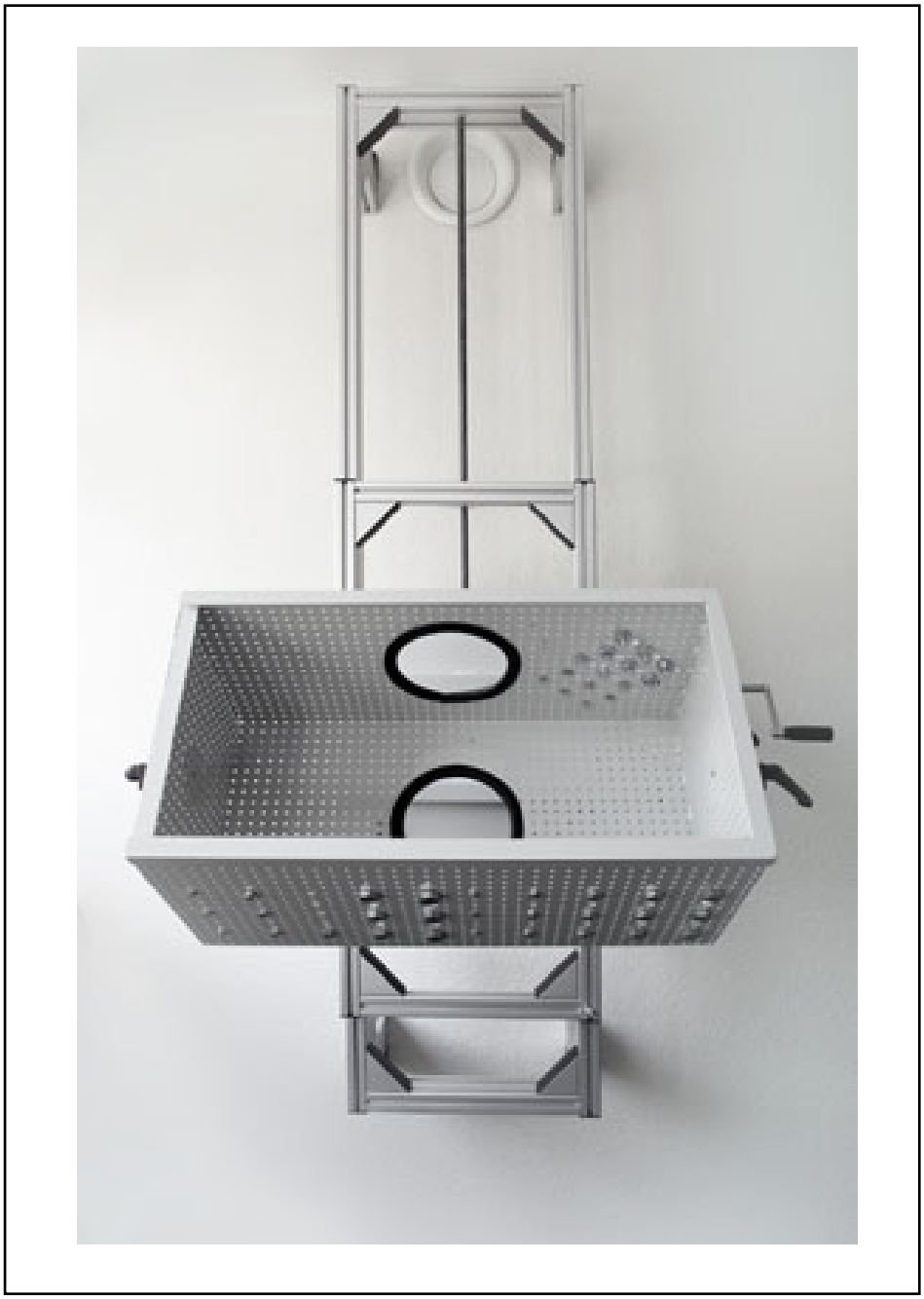

Fig. 1

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## 1. Symbols used in this document

| | |
|---|---|
| **Warning Symbol**<br><br>Indication of potentially hazardous situation. If not avoided it can result in serious injury or death. |  |
| **Caution Symbol**<br><br>Indication of potentially hazardous situation which may result in minor or moderate injury.<br>It may also be used to alert against unsafe practices. |  |
| **Notification Symbol**<br><br>This symbol is used to notify correct use and handling of the product. |  |

## 2. General Safety

| | |
|---|---|
|  | This manual must be read and understood before use. Always keep this manual in close proximity of the product.<br><br>The use, installation and service of this product must be in compliance with this manual to avoid accidents and serious personal injury.<br><br>Never use or handle this product in other ways specified in this manual as it can result in personal safety hazards and/or cause damage to the product.<br><br>Persons installing and/or using this product either as operator or user should have the necessary safety information and access to this manual. |
|  | Do not perform repairs, disassembly or assembly operations, add-ons, re-adjustments or modification of the product beyond what is described in this manual. These must be carried out by Nitzbon or Nitzbon authorized personnel. Do not perform service while in use. |

## 3. General Information on WorkPark

WorkPark offers treatment methods for providing occupational therapy in the context of medical and professional rehabilitation.

On the basis of an analysis of the job (activity profile) work-related motor functional exercise treatments can be performed and capability profiles and performance analyses can be carried out.

The therapeutic apparatus can be used for multiple functions and the units can be combined with each other so that training can be given in complex handling operations and complex tasks can. All apparatus can be used in case of injuries to both the arms and the legs. As time goes on, the number of repeats, speed, obstacles, the weight of items to be carried and working heights can be increased.

The therapeutic apparatus included in the standard equipment meets international industrial standards. Data evaluation is standardised and is carried out according to recognised assessment methods. A comparison of the assessment and the actual accomplishment of working tasks make additional appraisal and evaluation possible.

This Product is in conformity with the European Medical Device Regulation (EU) 2017/745.

## 4. Information on Wallsystem WP3

Wall System WP 3 is ideally suited for training in working positions such as standing and accepting loads, squatting, stooping, etc. With the screw box which can be adjusted to all directions of movement and all heights, all gripping functions, dexterity and spatial perception after hand injuries can be exercised. It is exceptionally easy to combine with the multi-function box WP 12, the multi-step WP 7, the balancing beam WP 11 or the set of grips WP 5.

- Wall-mounted frame in aluminium, height 200cm, distance from wall approx. 25cm

- The height of the pre-assembled slide is infinitely adjustable over a distance of approx. 100cm with the cranking device

Fig. 2

- The depth of the dexterity box mounted on this is adjusted on the console by means of telescopic tubes and the box can be pivoted in a turning circle of up to 360°

- Slide dimensions: height 100cm, width 50cm

- Dexterity box dimensions: 60x26x32cm, pivoting with two round hand openings dia. 14cm, with a flexible Plexiglas cover on one side

Fig.3

# 5. Qualification of the operator and user

## 5.1 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.

## 5.2 Obligations of the operator

You must observe your obligations as an operator in accordance with the Medical Device Directive (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 Directive (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.

## 5.3 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.

## 5.4 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.

## 5.5 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.

## 6. Safety guidelines

► It is essential that the instructions regarding wall quality are observed during assembly!

► The wall frame is only suitable for use with the pre-assembled slide and with the WorkPark accessory equipment provided. The **maximum loading of 40kg** must not be exceeded.

► When adjusting the height of the slide, please always keep the welfare of the patient in mind. Pay attention to the patient particularly when you are changing the height and the inclination of the apparatus!

► Before adjusting the height the star grip is to turn up at the crank and then tighten again.

► When twisting and turning the perforated box around, articles can fall out of the inside. Patients and other people should not stay in the vicinity as they may be injured by falling objects!

► Please make sure that the drive spindle is lubricated. There should always be a light film of oil or grease on the spindle. This will increase the working life of the drive!

► Twice a year please check the screw connections on the wall frame and tighten them if necessary!

► Repairs to the wall frame should only be carried out by specialist or by Nitzbon!!

**Danger from falling boxes or articles inside the box**

# 5 Setting up and getting started

## 5.1 Parts supplied

1.) 1 frame in aluminium, height 200cm,
2.) 1 pre-assembled slide, slide dimensions: height 100cm, width 50cm
3.) 1 dexterity box in perforated sheet, dimensions of dexterity box: 60x26x32cm pivoting with two round hand openings dia. 14cm, with a flexible Plexiglas cover on one side; steel components powder.coated light grey similar to RAL 7035
4.) 1 set of nuts and screws in different dimensions
5.) 1 flor mat 190x60x2,5cm
6.) Product information

## 5.2 Assembly

Wall mounting

- 1. The frame must be mounted on the wall by specialist personnel.
- 2. The housing for the crank is located on the right-hand side.
- 3. Mark all 4 holes. Drill the holes to 12mm diameter. Place the dowels into the drilled holes and screw the apparatus to the wall. Nylon dowels diameter 12mm with 10x100mm screws are supplied as standard.
- 4. Depending on the floor, the wall fixing can be placed on the rail. See Figures 4 and 5.

**The installation height of the wall system depends on the height ranges which will mainly be used.**

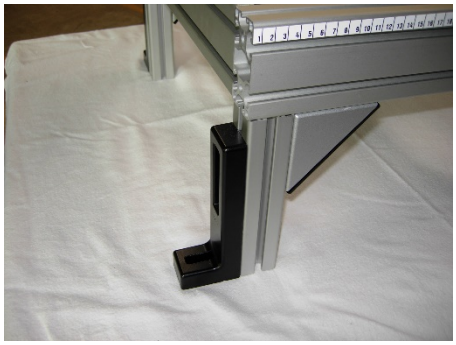

Figure 4

Figure 5

**Important note:**
All 4 fixing holes must be used. The minimum extraction force per fixing hole must be at least 70N (which corresponds to approx. 70kg traction).

Good wall qualities are e.g. solid brick MZ20, concrete B25, breezeblocks HLZ20. Recommended dowels: Nylon dia. 12x50mm, recommended screws:wood screws dia. 10x70 mm

Figure 6

Note:
The wooden handles depicted are not included in WP 3.
(Ident-Nr. 16 23 50 Wooden handles)

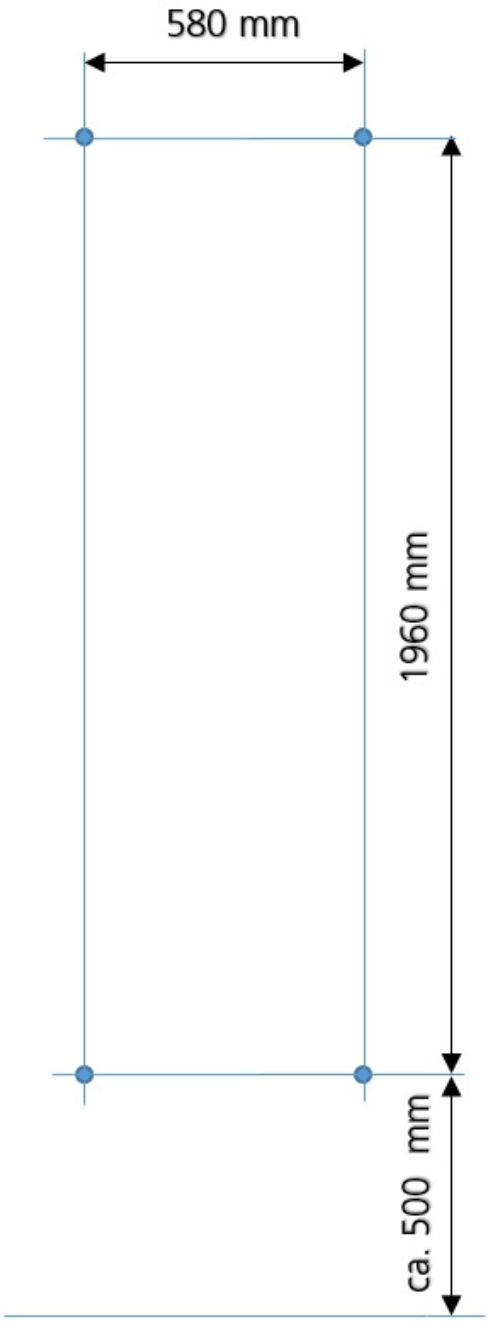


Figure 7

Nitzbon AG can only assume a guarantee for the assembly if this was carried out by Nitzbon AG

Assembly of the crack after fixing the base frame to the wall:

The housing for the crank is located on the right of the wall frame. This crack housing is included in the supply.


Remove one the adjusting ring. Loose the second adjusting ring. The crank if then inserted into the hole of the side of the frame into the apparatus.
Please make sure that the star grip has been turned up.

Figure 8

Pull the adjusting ring over the crank shaft and insert the hex nut of the crank into the drive. The adjusting ring is now pulled right out and tightened firmly; see Fig. 9-12
From "the outside" the second adjusting ring is pushed against the unit and also tightened.

Figure 9

Figure 10

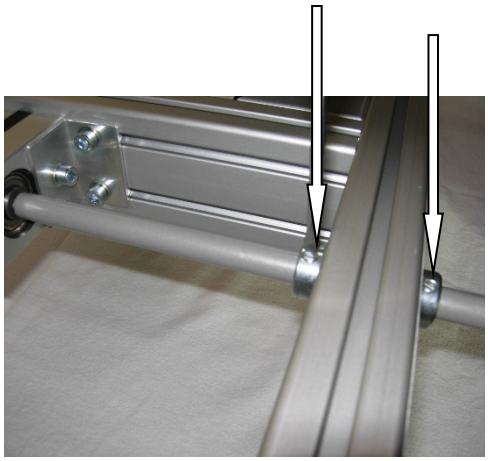

Figure 11

Figure 12

# 6 Operation

Please note that for the widest range of application options, an open floor space of
100cm wide x 200cm deep should basically be kept free.

## 6.1 Adjusting the height with the cranking device

Loosen the star grip

Crank upwards or downwards with
the crank mounted on the right side.

Tighten the star grip.

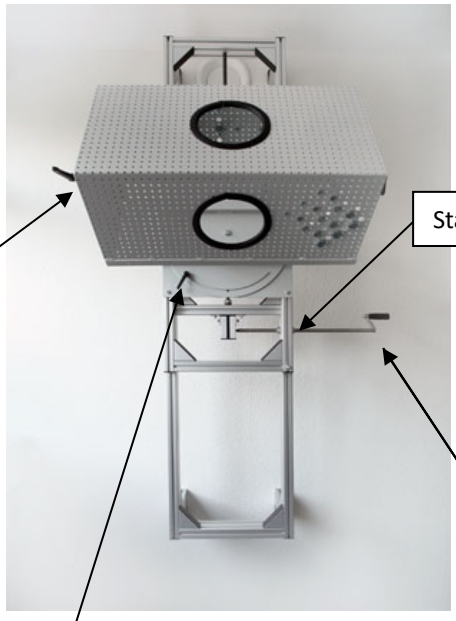


Figure 13

## 6.2 Adjusting the tilt of the dexterity box

The perforated box can be turned laterally (i.e. clockwise or anticlockwise) by up to 90°. In addition it´s possible to turn the perforated box around its axis by up to 360°.The different heights and the different positions of the box allow activities when standing, sitting and lying down. For information on this -> work sheets.

**Wear and scratches on the powder-coated surface caused by adjusting the moving parts are a factor of use. Traces of wear will also appear on the slot of the circle even after a short time. All these do not represent a defect in quality. If necessary, we will be happy to send you a touch-up stick.**

| |
|---|
| Please ensure before height adjustment that the room is vacated under the unit and therefore no obstacles may damage the spindle. |

## 6.3 Adjusting the height of the box via the console

The box can also to crank height adjustment be adjusted by the console on the slide in height.
For safety reasons <u>two</u> persons are required to implement this transaction.
Both person loose both screws M8x16 on each side of the console with 5mm-Innensechskantschlüssel (see at the unit) and hold the weight of the box.
Within 25cm the box can now adjusted higher or lower.
All four screws are tightened firmly.
This adjustment is useful for extremely tall or small people.

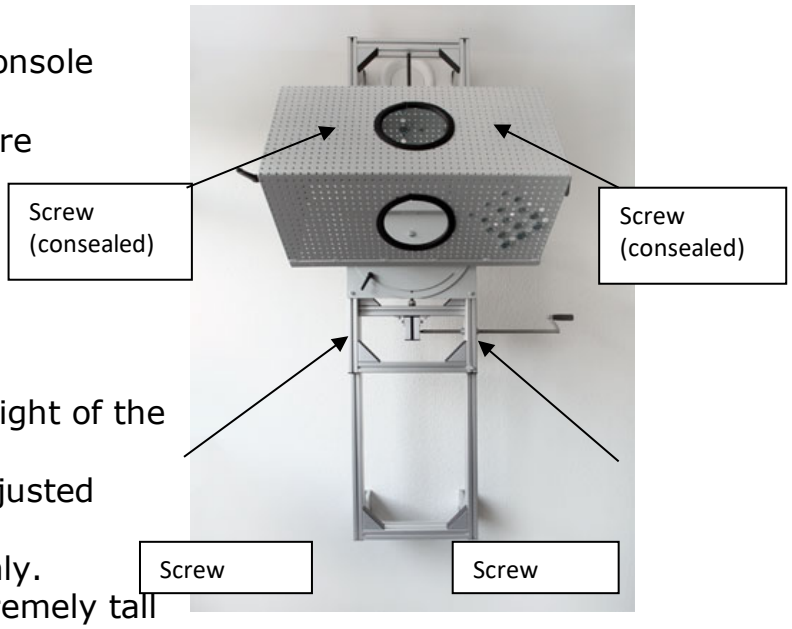


Fig. 14

The height scale in cm on the crank is therefore only a relative altitude indication and does not refer to the real level of the box.

## 7 Maintenance

► Clean the aluminium parts with a soft cloth and a gentle cleaning product.

► Please make sure that the drive spindle is lubricated. There should always be a light film of oil or grease on the spindle. This will increase the working life of the drive!

► Twice a year please check the screw connections on the wall frame and tighten them if necessary!

► To tighten the screw connections, the black corner covers should first be carefully removed with a screwdriver. Tighten the screws using a 5mm Allen key.

► Repairs to the wall frame should only be carried out by specialist or by Nitzbon!!

► Maintenance should be carried out by the manufacturer or specialists every year.

## 8 Environmental protection

**The product is not intended to be disposed as municipal waste. Proper disassembly, sorting and disposal of components must be done by waste disposal professionals.**

# 9 Technical data on the wall system WP 3

A product from the WorkPark group of products.

| | | |
|---|---|---|
| Frame dimensions | Height | approx. 200cm |
| | Width without crank | approx. 50cm |
| | Width with crank | approx..100cm |
| | Depth | approx..110cm |
| | Distance of frame of wall | approx. 38cm |
| Space required | | |
| | Width: | 100cm |
| | Depth: | 200cm |
| Weight | approx. 70kg | |
| Materials : | Aluminium and steel components<br>Various plastic components | |
| Surface of steel : | Powder-coated light grey RAL 7035 | |
| Max. frame loading | 40kg distributed uniformly | |
| Temperature: | 5-45°C | |
| Air humidity | 5-85% (non-condensing) | |

## 10 Product Unit label


| | |
|---|---|
| CE | This product is CE-marked in accordance with: European Medical Device Regulation (EU)2017/745 |
| | Manufacturer name and address |
| | Date of production |
| SN | Serial number |
| | Consult manual before use |
| MD | This product is a medical device |
| 1 2 3 4 5 6 7 8 9 0 1 2 3 | UDI-DI for product identification |

# 11 Work sheets WorkPark WP 3 Wall System

All WorkPark apparatus can be used for training in case of injuries to both the arms and the legs. The different items of training apparatus can all be combined with each other so as to offer multi-functional uses for complex movements. The therapeutic devices meet international industrial standards.

**Possible uses:**

1. Stationary and ambulant occupational therapy
2. Work simulation training
3. Matching the activity profile with the capability profile
4. Producing occupational therapy performance analyses for the job market
5. ABMR

**The following types of loading can be avaluated and trained using the Wall System WP 3**

**Standing:**

| | |
|---|---|
| **Level surface in combination with work in short and long reaching distances (to above the head) in a static standing position.** | *In combination with: WP occupational materials, tools, WP grip world* |
| **Working in dynamic standing position in combination with walking distances of 15m range of action** | *In combination with WP occupational materials, tools, WP grip world. Combination possibilities; multi-function box WP 12, parcourse bar WP 6* |
| **In combination with stooping forward** | *In combination with: occupational materials WP, tools, WP grip world* |
| **Working in a dynamic standing position in combination with rotating right/left** | *In combination with: WP occupational materials, tools, WP grip world* |
| **In combination with repeated bending at the knees** | *In combination with: WP grip world, WP occupational materials* |
| **Loading the forefoot** | *In combination with balancing beam WP 11, multi-step WP, multi-function box WP 12* |

**Kneeling**

| | |
|---|---|
| **Kneeling in combination with working in a long reaching distance** | *In combination with WP grip world, WP occupational materials, tools* |

**Squatting**

| | |
|---|---|
| **Squatting in combination with working in a long reaching distance (close to the floor)** | *In combination with: WP grip world, WP occupational materials, tools* |

**Working in a short reaching distance**

| | |
|---|---|
| **Working in a short reaching distance** | *In combination with fine motor activities close to the body, grip world WP*<br>**Types of grip:** pointed grip, cylinder grip, closed fist, hook grip, fine pointed grip, lateral pointed grip<br><br>*Gross motor activities close to the body, WP occupational materials, tools* |

**Working in long reaching distances (away from the body to above the head)**

| | |
|---|---|
| **Working in long reaching distances** | *In combination with fine motor activities close to the body, grip world WP*<br>**Types of grip: pointed grip, cylinder grip, closed fist, hook grip, fine pointed grip, lateral pointed grip**<br><br>*In combination with gross motor activities away from the body WP occupational materials, tools* |

**Hand coordination**

| | |
|---|---|
| **Hand-Hand coordination**<br>**Eye-Hand coordination**<br>**Concealedt** | In combination with WP grip world, WP occupational materials<br>**Types of grip: pointed grip, cylinder grip, closed fist, hook grip, fine pointed grip, lateral pointed grip** |

**Seated activities**

| | |
|---|---|
| **Working in a seated position (endurance):**<br>**Working in a forward-leaning position:** | *In combination with grip world WP, tools* |

**Lying down**

| | |
|---|---|
| **Working when lying down:** | *In combination with grip world WP, tools* |

# 12 SPECIFICATIONS FOR WORKPARK

All WorkPark apparatus can be used for training in case of injuries to both the arms and the legs. The items of apparatus can be combined with each other so as to produce a multitude of variations.

**The following types of loading can be evaluated and trained using WorkPark:**

**Standing:**

| | |
|---|---|
| **Level surface in combination with work in short and long reaching distances (to above the head) in a static standing position<br>Target 1 hour** | *Mobile floor apparatus WP 9, accessory table WP 2, round table WP 8, magnet board WP 10, work shelf WP 1, wall system WP 3,* |
| **Working in a dynamic standing position in combination with walking distances in an activity radius of 15 m** | *Combinations; work shelf WP 1, multi-function box WP 12, occupational materials WP* |
| **in combination with stooping forward** | *Combinations; work shelf WP 1, parcourse bar WP 6, magnet board WP 10, floor apparatus for gross motor skills WP 9, occupational materials WP* |
| **Working in a dynamic standing position in combination with rotating right/left** | *Combinations; work shelf WP 1, occupational materials WP, magnet board WP 10, floor apparatus for gross motor skills WP 9, parcourse bar WP 6,* |
| **in combination with repeated bending of the knees** | *Combinations; work shelf WP 1, parcourse bar WP 6, magnet board WP 10, floor apparatus for gross motor skills WP 9, occupational materials WP* |
| **Loading the forefoot** | *Balancing beam WP 11, multi-step WP, multi-function box WP 12* |
| **Standing on one leg, right** | *Parcourse bar WP 6, balancing beam WP 11* |
| **Standing on one leg, left** | *Parcourse bar WP 6, balancing beam WP 11* |
| **Standing in combination with lifting in front of the body with two hands** | *Work shelf WP 3, occupational materials WP boxes, sacks* |
| **Lifting on the right side** | *Parcourse bar WP 6, balancing beam WP 11 can* |
| **Lifting on the left side** | *Parcourse bar WP 6, balancing beam WP 11 can* |

**Kneeling**

| | |
|---|---|
| **Kneeling in combination with working in a long reaching distance** | *Wall system WP 3, shelf system WP 1, floor apparatus for gross motor skills WP 9, magnet board WP 10* |
| **Crawling** | *Parcours bar WP 6* |

## Squatting

| | |
|---|---|
| **Squatting in combination with working in a long reaching distance (close to the floor)** | *Wall system WP 3, shelf system WP 1, floor apparatus for gross motor skills WP 9, magnet board WP 10* |

## Walking and carrying

| | |
|---|---|
| **Walking on an even surface**<br>**Walking short distances: target 1 km**<br>**Walking long distances: more than 1 km** | *Combinations; work shelf WP 1, multi-function box WP 12, occupational materials WP* |
| **Walking on an uneven surface** | *Multi-function box WP 12* |
| **Running** | *WP stopwatch* |
| **with loads carried with two hands in front of the body** | *Occupational materials WP boxes, sacks, bucket* |
| **with loads carried on the right side** | *Occupational materials WP can, bucket* |
| **with loads carried on the left side** | *Occupational materials WP can, bucket* |
| **Balance** | *Balancing beam WP 11, parcourse bar WP 6* |
| **Going up and down a 30° slope without holding on** | *Multi-function box WP 12* |
| **Walking on planks, rafters and greasy surfaces without holding on** | *Balancing beam WP 11* |
| **Negotiating obstacles** | *Parcourse bar WP 6* |

## Pushing and pulling

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|---|---|
| **Pulling/pushing a truck** | *Pull-push apparatus WP 4* |

## Climbing a ladder, working standing on a ladder

| | |
|---|---|
| **Going up and down a ladder with broad rungs** | *Multi step WP 7* |
| **Standing on a ladder with a holding point on the right** | *Multi-step WP 7 in combination with wall system WP 3,* |
| **Standing on a ladder with a holding point on the left** | *Multi-step WP 7 in combination with wall system WP 3, work shelf WP 1, magnet board WP 10, grip world WP 5* |
| **Standing on a ladder in combination with working in short and long reaching distances** | *Multi-step WP 7 in combination with wall system WP 3, work shelf WP 1, magnet board WP 10, grip world WP 5* |

**Dynamic working – lifting**

| | |
|---|---|
| **From floor level to table height Lifting and putting down with both hands in front of the body** | *Work shelf WP 1, occupational materials WP* |
| **From floor level to chest height Lifting and putting down with both hands in front of the body** | *Work shelf WP 1, occupational materials WP* |
| **From floor level to above the head Lifting and putting down with both hands in front of the body** | *Work shelf WP 1, occupational materials WP* |

**Working in short reaching distances**

| | |
|---|---|
| **Working in short reaching distances** | *Fine motor activities close to the body (functional hand) grip world WP 5*<br>**Types of grip: pointed grip, cylinder grip, closed fist, hook grip, fine pointed grip, lateral pointed grip**<br><br>*Gross motor activities close to the body (functional hand/holding hand) pulling, pushing and impact loads on floor apparatus for gross motor skills, occupational materials WP* |

**Working in long reaching distances (away from the body to above the head)**

| | |
|---|---|
| **Maximum reaching distance** | *Fine motor activities away from the body grip world WP 5, wall system WP 3, round table WP 8, magnet board WP 10*<br>**Types of grip: pointed grip, cylinder grip, closed fist, hook grip, fine pointed grip, lateral pointed grip**<br><br>*Gross motor activities away from the body pulling, pushing and impact loads*<br>*wall system WP 3, pull-push apparatus WP 4, floor apparatus for gross motor skills WP 9* |

**Hand coordination**

| | |
|---|---|
| **Hand-hand coordination Eye-hand coordination Concealed** | Grip world WP 5, round table, magnet board WP 10, wall system WP 3,<br>**Types of grip: pointed grip, cylinder grip, closed fist, hook grip, fine pointed grip, lateral pointed grip** |

## Static holding work

| | |
|---|---|
| **Possible pressure on a vertical surface or object to the left (holding hand)** | *Pull-push apparatus WP 4* |

## Working with tools

| | |
|---|---|
| **Working with tools: spanner, screwdriver, hammer, pliers** | *Occupational materials WP in combination with wall system WP 3, floor apparatus for gross motor skills WP 9* |

## Standing and lifting

| | |
|---|---|
| **From floor level to table height Lifting and putting down with both hands in front of the body** | *Work shelf WP 1, occupational materials WP boxes, sacks* |
| **From floor level to chest height Lifting and putting down with both hands in front of the body** | *Work shelf WP 1, occupational materials WP boxes, sacks* |
| **From floor level to above the head Lifting and putting down with both hands in front of the body** | *Work shelf WP 1, occupational materials WP boxes, sacks* |
| **On the right side of the body** | *Work shelf WP 1, occupational materials WP can, bucket* |
| **On the left side of the body** | *Work shelf WP 1, occupational materials WP can, bucket* |

## Throwing and catching

| | |
|---|---|
| **Target: accurately throwing and catching a 5 kg bag of sand with one hand (left/right)** | Occupational materials WP |

## Seated activities

| | |
|---|---|
| **Working in a seated position (endurance): Working in a forward-leaning position:** | *Round table WP 8, wall system 3, in combination with grip world WP 5* |