We are delighted to present you the new catalogue of the Company Akces-Med. Akces-Med is the medical equipment manufacturer and its products are on the Polish market since 2004.

The aim of this company is to enable children, young people as well as adults to develop and, moreover, gain independence and autonomy. Our products were created with the aim of helping people with different dysfunctions of the locomotor system. It goes without saying that helping the disabled is challenging, therefore we do our best in order to meet a challenge. We cooperate with doctors and physiotherapists. We are compassionate towards the disabled and their families due to the fact that your remarks are invaluable and your needs are of the greatest importance for our workers. What is more, we are continually enhancing the quality of our products and, moreover, we are introducing changes and new devices so as to satisfy your expectations. All products are created for long use, manufactured with the aid of the best materials on the basis of introduced by Akces-Med Sp. z o.o. quality management systems ISO 9001 and ISO 13485.

Our offer includes buggies, chairs, static and dynamic standing frames. Furthermore, we present a vast array of optional equipment which is created according to individual patient needs.

We do our best in order that our products would be used in:
- hospitals – used to help somebody with streamlining after injury
- sanatoriums – used as the continuation of rehabilitation which started before
- centres and schools – used as devices which are helpful with adopting correct lying, sitting and standing position
- houses – used as devices which make it possible to eat meals together as well as spend free time with family.

We would like each specialist working with the patient to have full information concerning available medical devices offered by our company. The final result of the treatment and the psycho-physical condition of the patient depend on this basic information. We are convinced that thanks to our products the process of rehabilitation will be pleasant for children and adults will be able to gain independence.

Akces-Med Sp. z o.o.
Upright position as an important part of rehabilitation process

Clinical research shows importance of upright position in correct functioning of human body. Systematic and everyday upright standing is a very significant part of the complex process of rehabilitation owing to the fact that it exerts a positive influence on functioning of many systems as well as organs:

■ it improves functions of cardio-vascular system, enhances air exchange in lungs and prevents pneumonia, improves peristalsis of intestines
■ it prevents and helps in healing of contractures, improves mobility of joints, prevents muscle decline

In case of children

■ the biggest advantage of the standing frame is stimulation of psychomotor development and improvement of psycho-condition of the child
■ it has a significant influence on correct development of muscles, joints and skeletal system. Moreover, it has a positive impact on the development of balance and improvement of coordination
CAT 1 was created with a view to upright children in prone position. It enables child to adopt standing position. Upright standing makes it possible for children to gain new experience and it stimulates their psycho-physical development. The care person is able to control the child placed in this device thanks to gas spring. Furthermore, this spring helps with adjusting the correct tilt angle. Children feel secure in the standing frame due to system side supports and belts. As far as this product is concerned, it is created from ecologic and safe materials and it is hand painted.

IT IS RECOMMENDED IN THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases – different forms
- Genetic disorders connected with paresis
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

STANDARD EQUIPMENT

Frame with castors and brakes | footplate with foot support and belts | gas spring | abduction block | chest and pelvic pads with safety belts | chest and pelvic supports | tray with plate | tray pad
OPTIONAL EQUIPMENT

KT_001
TRAY FOR MANUAL THERAPY

KT_002
HEAD SUPPORTING BELT

KT_003
3D FOOT ADJUSTMENT

KT_005
BOWL

GAS SPRING MAKES IT POSSIBLE TO ADJUST THE CORRECT ANGLE

SYSTEM OF SIDE SUPPORTS AND BELTS ENSURES CHILDREN’S SAFETY

DEEP BOWL FITS MORE TOYS
When it comes to CAT 2, the correct configuration makes it possible to stand in it either in prone or supine position. Surely, the suitable standing position will be advantageous for children on the grounds that it will be highly beneficial to their development. We can change the alignment of this device as well as the tilt angle with the help of gas spring. Furthermore, we can easily change the position of a child from lying to standing position. Regarding system of side supports and belts, it protects children and, moreover, it gives them possibility for eating meals, having fun and learning in standing position. As far as this product is concerned, it is created from ecologic and safe materials and it is hand painted.

**IT IS RECOMMENDED IN THE FOLLOWING CASES:**

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases – different forms
- Genetic disorders connected with paresis
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

**STANDARD EQUIPMENT**

| Frame with castors and brakes | footplate with foot stabilization | gas spring | knee support | chest and pelvic pads with safety belts | pelvic and chest supports | adjustable tray | adjustable headrest for supine position |
**OPTIONAL EQUIPMENT**

**KT_001**
Tray for manual therapy

**KT_003**
3D Foot Adjustment

**KT_004**
Head Supporting Belt

**KT_006**
Anti-bedsores cushion flow flow*

* Ergonomic and adjustable headrest perfectly supports patient’s head
* Knee support with tilting function assures easy placement of the child in the device
* Foot-operated adjustment of the tilt angle makes the control of the child's position in the device significantly easier for the care person

* DETAILS PAGE 48
Static standing frame LIFTER is a modern rehabilitation device. Electric actuator with integrated sit allows the patient independent use of the device by means of the remote control. What is more, the seat also plays the role of the pelvic support which secures the patient in the device. The possibility of independent upright position increases patient’s self-reliance as well as autonomy and therefore improves his psychical condition.

There is a possibility to equip LIFTER with stabilization of upper torso for patients with paresis of upper limbs. Additionally, Lifter is equipped with 4 rotating castors which enable relocation of the patient in standing position in the device within hospital or flat.

It is recommended in the following cases:

- Infantile cerebral palsy – different forms
- After cerebro-cranial injuries or spinal injuries, especially spinal cord injuries with paresis or paralysis (as the stage of rehabilitation process or permanent orthopedic supply)
- Pathogenic or vascular brain injuries, spinal cord injuries with paresis of lower limbs, tetraparesis, serious balance and coordination disorder
- Advanced demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis)
- Meningomyelocele
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases – different forms
- Genetic disorders connected with paresis
- Rheumatic diseases

Standard equipment:

- Frame with castors and brakes
- Footplate with foot stabilization
- Battery with controller
- Electric actuator
- Adjustable knee support
- Lifting mechanism with sit
- Hand grip
- Tray
- Handset
**OPTIONAL EQUIPMENT**

**LT_001**
Chest support

**LT_002**
Anti-bed sore cushion, Flow Flow*

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**THE STAGES OF UPRIGHT STANDING**

- Modern upright supporting system uses the lifting mechanism with movable arm, electric actuator and handset to adopt upright position.
- Ergonomic and adjustable knee supports perfectly stabilizes lower limbs.
- Made of ecological wood tray plays the hip support role as well as gives the huge space for work.

* Details page 48
Static standing frame PARAPION is used for passive upright position. During this process patient’s sense of balance, internal organs and circulatory system can adopt to new conditions and bigger load. The patient, who is placed in this device, is able to perform simple domestic or professional activities. Furthermore, the system of supports and belts was created for patient’s safety and comfort. Besides, this standing frame is equipped with rotating castors which enable relocation of the patient in the standing position from one place to another.

It is recommended for children, young people and adults in the following cases:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Pathogenic or vascular brain injuries, spinal cord injuries with paresis and paralysis
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Rheumatic diseases
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries
- After brain, spinal, spinal cord and lower limbs injuries

Standard equipment:

- Frame with castors and brakes
- Footplate with foot stabilization
- Knee support
- Pelvic brace with pelvic belt
- Chest brace with chest belt
- Tray with plate (concerning size 1)
OPTIONAL EQUIPMENT

PP_001
TRAY FOR MANUAL THERAPY

PP_002
LOW ARM/CHEST SUPPORTS

PP_005
HIGH ARM/CHEST SUPPORTS

PP_006
TRAY FOR MANUAL THERAPY (SIZE 2, 3)

PP_007
INDEPENDENTLY ADJUSTABLE KNEE SUPPORT (1)

PP_009
FOREARM SUPPORTS

PP_010
LONGER FELVIC OR CHEST BELT (2)

PP_011
TRAY (SIZE 2, 3)

PP_012
ANTI-BEDSORE CUSHION: FLOW FLOW* (3)

* DETAILS PAGE 48
(1) ASSEMBLED INSTEAD OF A STANDARD ITEM
PARAPION ACTIVE makes it possible to adopt passive upright position and participate actively in upright standing. This standing frame is equipped with hand drive which enables the person to relocate single-handedly in the device within flat or hospital ward. The possibility of independent relocation in standing position has a positive impact on the patient due to the fact that it broadens horizons and overcomes constraints. Additionally, this is the case that it positively influences patient’s psyche and it allows him to participate actively in family and social life. This product is highly recommended for active people.

IT IS RECOMMENDED FOR YOUNG PEOPLE AND ADULTS IN THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocoele
- Brain and spinal cord injuries
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

STANDARD EQUIPMENT

Frame with castors – front castors pumped up | footplate with foot stabilization | knee support | pelvic brace with pelvic belt | chest brace with chest belt | hand drive | tray
OPTIONAL EQUIPMENT

**PP_006**
TRAY FOR MANUAL THERAPY

**PP_007**
INDEPENDENTLY ADJUSTABLE KNEE SUPPORT

**PP_010**
LONGER PELVIC OR CHEST BELT

**PP_012**
ANTI BEDSORE CUSHION FLOW FLOW*

ADJUSTABLE DRIVE SHIFT ENABLES THE PATIENT TO MOVE EASILY IN THE DEVICE

ERGONOMIC AND ADJUSTABLE KNEE SUPPORTS WITH THE POSSIBILITY OF ADJUSTMENT

BIG TRAY GIVES PLENTY OF SPACE FOR WORK

* DETAILS PAGE 48  
1) ASSEMBLED INSTEAD OF A STANDARD ITEM
This device is user-friendly, lightweight, reliable and durable. It is helpful in adopting passive upright position. Either family or hospital personnel can easily use this standing frame. Moreover, the system of precautions makes the patient feel safe and comfortable concerning upper limbs. The system of ergonomic braces (chest as well as pelvic) perfectly adjusts to the patient’s body and influences his stable upright position. It is equipped with rotating castors which enable the patients to relocate. The construction of this device is well planned because of which it eliminates barriers and stimulates patients to overcome difficulties with regard to injury or diseases.

**IT IS RECOMMENDED FOR CHILDREN, YOUNG PEOPLE AND ADULTS IN THE FOLLOWING CASES:**

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

**STANDARD EQUIPMENT**

- Frame with castors and brakes
- Footplate with foot stabilization
- Knee support
- Pelvic brace with pelvic belt
- Chest brace with chest belt
- Hand grip
OPTIONAL EQUIPMENT

**SM_001**
Longer pelvic or chest belt

**SM_002**
Upholstery made of genuine leather

**SM_003**
Anti-bed sore cushion flow flow*

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THANKS TO KNEE SUPPORTS, IT IS POSSIBLE TO USE THIS STANDING FRAME FOR A LONG TIME.

HAND GRIP WAS SHAPED TO MAKE LONG-LASTING USAGE FEASIBLE.

* DETAILS PAGE 48

ASSEMBLED INSTEAD OF A STANDARD ITEM
**CAT 1, CAT 2 STANDING FRAME FOR CHILDREN**

**SIZE TABLE**

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<tr>
<th>SIZE</th>
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<td>B. Width of chest (cm)</td>
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<tr>
<td>C. Height to the level of breast bone (cm)</td>
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<td>49-97</td>
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<td>D. Length of shin (cm)</td>
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<td>E. Length of foot (cm)</td>
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<td>-</td>
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<td>F. Height of child (cm)</td>
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<td>75-135</td>
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<tr>
<td>G. Distance from pelvic to armpits (cm)</td>
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<tr>
<td>H. Distance between knees (cm)</td>
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<tr>
<td>I. Height to the axis of pelvic joint (cm)</td>
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</tr>
<tr>
<td>J. Maximum length of thigh (cm)</td>
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<td></td>
</tr>
<tr>
<td>K. Height of sit (from the ground) (cm)</td>
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</tr>
<tr>
<td>L. Height of footrest (from the ground) (cm)</td>
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<td>M. Height of foot (cm)</td>
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<tr>
<td>N. Weight of the user (maximum) (kg)</td>
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**PRODUCT DIMENSIONS**

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<td>60</td>
<td>81</td>
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* MINIMALNA HEIGHT BEZ ZAGŁÓWKI

**BOX DIMENSIONS**

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**LIFTER STATIC STANDING FRAME**

**SIZE TABLE**

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<td></td>
<td>P. Distance between knees (cm)</td>
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<tr>
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<td>Height of footrest (from the ground) (cm)</td>
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**PRODUCT DIMENSIONS**

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* MINIMAL HEIGHT WITHOUT HEADREST
### PARAPION STATIC STANDING FRAME

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<td>A. Width of pelvic (maximum) [cm]</td>
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<td>33</td>
<td>40</td>
</tr>
<tr>
<td>C. Width of chest (maximum) [cm]</td>
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<td>45–90</td>
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<td>F. Height to the level of breast bone [cm]</td>
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<td>G. Weight of the user (maximum) [kg]</td>
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#### PRODUCT DIMENSIONS

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#### BOX DIMENSIONS

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### PARAPION ACTIVE STATIC STANDING FRAME

#### SIZE TABLE

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<tbody>
<tr>
<td>A. Width of pelvic (maximum) [cm]</td>
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</tr>
<tr>
<td>B. Pelvic circumference [cm]</td>
<td>80–99</td>
<td>95–117</td>
</tr>
<tr>
<td>C. Width of chest (maximum) [cm]</td>
<td>32</td>
<td>38</td>
</tr>
<tr>
<td>D. Chest circumference [cm]</td>
<td>80–99</td>
<td>95–117</td>
</tr>
<tr>
<td>E. Height to the axis of pelvic joint [cm]</td>
<td>76–100</td>
<td>85–116</td>
</tr>
<tr>
<td>F. Height to the level of breast bone [cm]</td>
<td>93–128</td>
<td>104–163</td>
</tr>
<tr>
<td>G. Weight of the user (maximum) [kg]</td>
<td>55</td>
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#### PRODUCT DIMENSIONS

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#### BOX DIMENSIONS

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## SMART STATIC STANDING FRAME

### SIZE TABLE

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<th>A. Width of pelvic (maximum) [cm]</th>
<th>B. Pelvic circumference [cm]</th>
<th>C. Width of chest (maximum) [cm]</th>
<th>D. Chest circumference [cm]</th>
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### PRODUCT DIMENSIONS

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<td>3</td>
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### BOX DIMENSIONS

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</table>
As far as the role of dynamic standing frames is concerned, they are useful for developing patient’s abilities. Furthermore, they are helpful for the patient to keep standing position during passive upright standing. Patient regains all locomotor skills during the process of rehabilitation and these devices help him to achieve it. In general, they stimulate as well as mobilize him to acquire new skills. What is more, patient is more willing to overcome obstacles with the aid of dynamic standing frames. He changes his postural alignment, tries to relocate and want to regain fitness and independence.
This standing frame complements the range of dynamic standing frames which make learning to walk easier. Regarding modifications and adjustment to patient’s dysfunctions, it is highly developed device. Moreover, it is universal and therefore we have the possibility for using a vast array of optional equipment e.g. high armpits supports which stabilize patient’s trunk during upright standing and learning to walk; elbow supports with hand grip make standing and learning to walk easier in case of patients with grip dysfunction; pelvic stabilizing harness prevents patient’s falling in case of the loss of consciousness. This standing frame is both solid and ergonomic and, moreover, it is light and user-friendly. The patient can have a rest thanks to a collapsible sit.

IT IS RECOMMENDED FOR CHILDREN, YOUNG PEOPLE AND ADULTS IN THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Rheumatic diseases
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

STANDARD EQUIPMENT
Frame with castors equipped with brakes (2 back castors with friction brake) | saddle | closing grip | chest belt | low armpit supports
**OPTIONAL EQUIPMENT**

- **RV_001** Shin and thigh brace with drop foot protection AM-KD-AM/2R
- **RV_002** Modular lower limb brace AM-KD-AM/2R-02
- **RV_003** Immobilize brace AM-TUD-KD-02
- **RV_004** Castors with fixed direction of movement
- **RV_005** Forearm supports
- **RV_006** High armpits supports (Z)
- **RV_007** Castors with blockade of reverse movement of standing frame (Z)
- **RV_008** Pelvic harness
- **RV_009** Anti Bedsore Cushion Flow Flow®

*Details page 48*  
*Assembled instead of a standard item*
As far this standing frame is concerned, it is highly beneficial to the process of daily rehabilitation which takes place not only in hospitals and rehabilitation wards but also in patient’s house. This device enables the patient to stand and walk. Moreover, children are able to take first steps and adults can either keep or regain fitness. Both light and stable frame is helpful in independent relocation in this device with slight involvement of the patient. The correct adjustment of braces makes the patient feel secure as well as comfortable during performing activities. Furthermore, this product may be used by patients in different age groups due to a vast array of sizes. This device plays a significant role because of the fact that patient has the possibility of gaining new experience and, more to the point, being independent as far as possible.

**IT IS RECOMMENDED FOR CHILDREN, YOUNG PEOPLE AND ADULTS IN THE FOLLOWING CASES:**

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Pathogenic or vascular brain injuries, spinal cord injuries with paresis of lower limbs, tetraparesis, serious balance and coordination disorder
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Advanced rheumatic diseases
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

**STANDARD EQUIPMENT**

Frame with castors equipped with brakes (2 back castors with friction brake) | lower limbs separator | adjustable pelvic brace | pelvic harness | hand grip | adjustable chest brace
**OPTIONAL EQUIPMENT**

- **AV_001** Pelvic Harness
- **AV_003** Shin and Thigh Brace with Drop Foot Protection AM-KDS-AM/2R
- **AV_004** Modular Lower Limb Brace AM-KD-AM/2R-02
- **AV_005** Immobilize Brace AM-TUD-KD-02
- **AV_006** Castors with Fixed Direction of Movement
- **AV_007** Castors with Blockade of Reverse Movement of Standing Frame
- **AV_008** Forearm Supports
- **AV_009** Anti bed sore Cushion Flow Flow*

*DETAILS PAGE 48  (1) ASSEMBLED INSTEAD OF A STANDARD ITEM

**COLOR OF SIZE 5**

**X-TREME VERSION**
ACTIVALL CROSS makes it possible for the patient to adopt upright position and move within house, hospital ward or outside. These activities are possible thanks to big front castors and rotating back castors. There is no doubt that this device exerts a positive influence on patient’s independence and self-reliance and it enables the patient to perform activities which were impossible before. Active upright standing performed outside improves fitness and mental condition and, moreover, it stimulates his senses and makes his life comfortable. Patient has a chance to stand and walk. Regarding standard equipment, this product is equipped with handbrake and shopping basket. What is more, when you purchase this device, you will get frame with castors which enables assembly of a standard Activall’s version (used inside the room).

### IT IS RECOMMENDED FOR CHILDREN, YOUNG PEOPLE AND ADULTS IN THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Pathogenic or vascular brain injuries, spinal cord injuries with paresis of lower limbs, tetraparesis, serious balance and coordination disorder
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Advanced rheumatic diseases
- Conditions after brain, spinal, lower limbs as well as spinal cord injuries

### STANDARD EQUIPMENT

- Reinforced frame with big front castors (braked manually) and back rotating castors
- Frame with castors equipped with brakes (2 back castors with friction brake)
- Lower limbs separator
- Adjustable pelvic brace
- Pelvic harness
- Hand grip
- Shopping basket
- Adjustable chest brace

### OPTIONAL EQUIPMENT

The same as optional equipment of Activall standing frame (see page 21).
### REHASUV Dynamic Standing Frame

#### Size Table

<table>
<thead>
<tr>
<th>SIZE</th>
<th>1</th>
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<tr>
<td>A. Maximum width of pelvic [cm]</td>
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<td>B. Maximum depth of pelvic [cm]</td>
<td>18-28</td>
<td>27-37</td>
<td>25-42</td>
</tr>
<tr>
<td>C. Maximum width of chest [cm]</td>
<td>60-75</td>
<td>76-109</td>
<td>80-117</td>
</tr>
<tr>
<td>D. Maximum depth of chest [cm]</td>
<td>60-75</td>
<td>76-109</td>
<td>80-117</td>
</tr>
<tr>
<td>E. Height to the axis of pelvic joint [cm]</td>
<td>79-101</td>
<td>96-139</td>
<td>115-162</td>
</tr>
<tr>
<td>F. Height to the level of breast bone [cm]</td>
<td>79-101</td>
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<td>115-162</td>
</tr>
<tr>
<td>G. Weight of the user (maximum) [kg]</td>
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<td>95</td>
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<tr>
<td>Height of sit from the ground [cm]</td>
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#### Product Dimensions

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<th>Weight [kg]</th>
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### ACTIVALL Dynamic Standing Frame

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<td>A. Maximum width of pelvic [cm]</td>
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<td>29</td>
<td>32</td>
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<tr>
<td>B. Maximum depth of pelvic [cm]</td>
<td>22</td>
<td>24</td>
<td>26</td>
<td>28</td>
<td>35</td>
</tr>
<tr>
<td>C. Maximum width of chest [cm]</td>
<td>25</td>
<td>27</td>
<td>29</td>
<td>32</td>
<td>41</td>
</tr>
<tr>
<td>D. Maximum depth of chest [cm]</td>
<td>22</td>
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<tr>
<td>E. Height to the axis of pelvic joint [cm]</td>
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<td>67-86</td>
<td>77-103</td>
<td>83-115</td>
<td>98-146</td>
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<tr>
<td>F. Height to the level of breast bone [cm]</td>
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<td>79-98</td>
<td>92-120</td>
<td>97-131</td>
<td>107-157</td>
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<tr>
<td>G. Weight of the user (maximum) [kg]</td>
<td>25</td>
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<td>60</td>
<td>80</td>
<td>95</td>
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</table>

#### Product Dimensions

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<th>Length [cm]</th>
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<th>Weight [kg]</th>
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#### Box Dimensions

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<th>Length [cm]</th>
<th>Height [cm]</th>
<th>Weight [kg]</th>
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#### Box Dimensions

<table>
<thead>
<tr>
<th>SIZE</th>
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<th>Length [cm]</th>
<th>Height [cm]</th>
<th>Weight [kg]</th>
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# SIZE TABLE

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<thead>
<tr>
<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>A. Maximum width of pelvic (cm)</td>
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</tr>
<tr>
<td>B. Maximum depth of pelvic (cm)</td>
<td>28</td>
<td>35</td>
</tr>
<tr>
<td>C. Maximum width of chest (cm)</td>
<td>32</td>
<td>41</td>
</tr>
<tr>
<td>D. Maximum depth of chest (cm)</td>
<td>28</td>
<td>35</td>
</tr>
<tr>
<td>E. Height to the axis of pelvic joint (cm)</td>
<td>83-115</td>
<td>98-146</td>
</tr>
<tr>
<td>F. Height to the level of breast bone (cm)</td>
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<td>107-157</td>
</tr>
<tr>
<td>G. Weight of the user (maximum) (kg)</td>
<td>80</td>
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# PRODUCT DIMENSIONS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>Width (cm)</th>
<th>Length (cm)</th>
<th>Height (cm)</th>
<th>Weight (kg)</th>
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# BOX DIMENSIONS

<table>
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<th>SIZE</th>
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<th>Length (cm)</th>
<th>Height (cm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
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<tr>
<td>5</td>
<td>85</td>
<td>110</td>
<td>60</td>
<td>34.5</td>
</tr>
</tbody>
</table>
MULTIFUNCTIONAL DEVICES

These devices make it possible for parents to assure the correct position for their children and, moreover, they enable the change of position in a short time without the use of an additional orthopaedic supply. Child may adopt the correct sitting posture while eating meals, studying and playing. He adopts upright standing during the specific period of time and then he can have a rest in the same device by adopting lying position. Adults may adopt passive upright standing, exercise and cover small distances with the help of family. Furthermore, these devices make it easier for the care person to help the patient with regaining the locomotor skills.
DALMATIAN is widely used in the process of rehabilitation. It is recommended for not only children but also young people. It is used as a rehabilitation chair during adopting the sitting position and then as a static standing frame in the further process of rehabilitation. Besides, it can be a lying function during the whole process. This device is equipped with the system of electric actuator and handset thanks to which both therapists and care takers can put the child in upright position without removing him from the chair. This multifunctional device completes the process of rehabilitation due to adjustment and equipment. Upright standing may be performed from 0 to 90 degrees. Moreover, safety vest and pelvic belt are equipped with innovative “hold & pull” system which allows for quick and precise stabilization of the child in the device. As far as this product is concerned, it is created from ecologic and it is hand painted.

IT IS RECOMMENDED IN THE FOLLOWING CASES:
- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries with paresis, serious balance and coordination disorder
- Muscle diseases (with significant muscle weakness or the progressive muscle decline)
- Muscle diseases – connected with paresis and paralysis
- Genetic disorders connected with paresis
- After brain, spine, spinal cord and lower limb injuries

STANDARD EQUIPMENT
Frame with castors equipped with brakes | adjustable foot rest with 3D foot adjustment and foot supporting belts | cushion for calf support | adjustable sit | removable and adjustable abduction block | knee support | backrest | hold&pull pelvic belt | chest support | independently adjustable pelvic and chest support (concerning size 3) | hold&pull vest | neck supporting pillow | head-rest with head supporting belt | forearm supports | tray | electric actuator | battery with controller | handset
OPTIONAL EQUIPMENT

**DM_001**
Tray for Manual Therapy

**DM_002**
Independently adjustable pelvic and chest supports (for size 1,2) (1)

Anti bed sore cushion Flow Flow*  
**DM_003** Sit cushion (1)  
**DM_004** Backrest cushion (1)

* DETAILS PAGE 48  (1) ASSEMBLED INSTEAD OF A STANDARD ITEM
Designers did their best in order to create a device which would include both static and dynamic function. Thanks to their efforts, you may stand a chance of having this kind of device, namely Paramobil. As regards static function, it enables passive upright standing at the beginning of the process of rehabilitation. It is equipped with a vast array of adjustment thanks to which it perfectly stabilizes the patient. With regard to dynamic function, it is helpful in regaining or acquiring skills. What is more, the patient can exercise in this device with the aid of mechanic-electric rotor and, moreover, he can perform lower limb exercises either single-handedly or with assistance.

IT IS RECOMMENDED FOR CHILDREN, YOUNG PEOPLE AND ADULTS IN THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Demyelinating diseases (multiple sclerosis, amyotrophic lateral sclerosis and others)
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

STANDARD EQUIPMENT

Frame with castors and brakes | footplate with foot stabilization | lower limbs separator | mechanic-electric rotor | wide sit or narrow sit | knee support | pelvic brace with support | chest brace with support | forearm supports | tray
OPTIONAL EQUIPMENT

**PM_001**
HEAD SUPPORTING HARNESS (FOR SIZE PM 1, 2, 3)

**PM_003**
CASTORS WITH FIXED DIRECTION OF MOVEMENT (2 PCS.) (1)

**PM_004**
CASTORS WITH BLOCKADE OF REVERSE MOVEMENT OF STANDING FRAME (2 PCS.) (2)

**PM_005**
CASTORS WITH FRICTION BRAKE (2 PCS.) (3)

**PM_006**
TRAY FOR MANUAL THERAPY (FOR SIZE PM 1,3)

**PM_007**
TRAY FOR MANUAL THERAPY (FOR SIZE PM 0)

**PM_008**
HIGH ARMPITS SUPPORTS (FOR SIZE PM 0)

**PM_009**
LOW ARMPITS SUPPORTS (FOR SIZE PM 0)

**PM_010**
ROTOR GRIP

**PM_011**
PELVIC HARNESS

**PM_012**
HIP SUPPORTING HARNESS

**PM_013**
LOW ARMPITS SUPPORTS (FOR SIZE PM 1,2,3)

**PM_014**
PELVIC PILLOW

**PM_015**
HIGH ARMPITS SUPPORTS (FOR SIZE PM 1,2,3)

**PM_016**
INDEPENDENTLY ADJUSTABLE KNEE SUPPORT (4)

**PM_017**
INDEPENDENTLY ADJUSTABLE KNEE SUPPORT (4)

* THERE IS POSSIBILITY FOR DIFFERENT CONFIGURATION OF THE DEVICE

(1) ASSEMBLED INSTEAD OF A STANDARD ITEM

**STATIC FUNCTION**

**DYNAMIC FUNCTION**

**REHABILITATION FUNCTION**

STABLE CONSTRUCTION
GARANTEE
3 IN 1
24 MONTHS
## SIZE TABLE

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A. Width of pelvic (cm)</th>
<th>B. Depth of pelvic (cm)</th>
<th>C. Width of chest (cm)</th>
<th>D. Maximum width of chest (cm)</th>
<th>E. Height to the axis of pelvic joint (cm)</th>
<th>F. Height to the level of breast bone (cm)</th>
<th>G. Weight of the user (maximum) (kg)</th>
</tr>
</thead>
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<tr>
<td>1</td>
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<td>15-23</td>
<td>23</td>
<td>62-91</td>
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<table>
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<th>SIZE</th>
<th>J. Length of trunk (cm)</th>
<th>I. Length of shin (cm)</th>
<th>L. Distance from back to lower leg (cm)</th>
<th>N. Height of child (cm)</th>
<th>M. Maximum length of foot (cm)</th>
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<table>
<thead>
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<th>C. Maximum width of chest (cm)</th>
<th>D. Depth of chest (cm)</th>
<th>B1. Pelvic circumference (cm)</th>
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## PRODUCT DIMENSIONS

### Dalmatian Rehabilitation Standing Frame

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<thead>
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<td>3</td>
<td>64</td>
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<td>120</td>
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### Paramobil Multifunctional Standing Frame

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### Box Dimensions

<table>
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<th>SIZE</th>
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<th>Height (cm)</th>
<th>Weight (kg)</th>
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</thead>
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<tr>
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<td>64</td>
<td>102</td>
<td>120</td>
<td>52</td>
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</table>

### Diagrams

- [Standing Frame Diagram](image)
- [Multifunctional Standing Frame Diagram](image)
- [Box Diagram](image)

## Notes

- The tables provide measurements for various parts of the body and height, weight, and other specifications for different sizes of standing frames.
- The diagrams illustrate the standing and multifunctional frames with labeled parts for easier understanding.
- The product dimensions include static, dynamic, rehabilitation, and whole set options for each size.

---

**DALMATIAN** Rehabilitation Standing Frame

**PARAMOBIL** Multifunctional Standing Frame

**Box** Dimensions
Positioning chairs are used for early upright standing in the sitting position. They are beneficial for children due to the fact that children can get to know with the world. Furthermore, these devices have a good impact on all internal organs and digestive, circulatory, endocrine and respiratory system. Correct adjustment of chairs prevents development of dysfunction and helps in bedsores as well as contracture prevention. What is more, they are equipped with tray which makes it easier for children to study, play and have rehabilitation.
It is a corner rehabilitation chair which helps children and young people to adopt the correct sitting position with upright legs. It is worth saying that this position enforces the correct alignment of hips. It is recommended as the first therapeutic chair. Ergonomic pelottes and abduction block with pelvic belt not only make the patient feel secure but also control the correct posture. Additionally, a vast array of adjustment is beneficial due to the fact that children grow fast. There are 3 sizes and therefore it is perfect for children as well as young people who are from 6 months to 12 years. This device is both light and small thanks to which you can easily move the chair into different places.

**IT IS RECOMMENDED FOR CHILDREN IN THE CASES OF:**

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases (connected with paresis and paralysis)
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

**STANDARD EQUIPMENT**

- Base
- Seat
- Removable abductor
- Pelvic support
- Pelvic belt
- Chest support
- Chest belt
OPTIONAL EQUIPMENT

NK_001
TRAY

NK_002
HEADREST

NK_003
HEAD SUPPORTING BELT

NK_004
MOBILE PLATFORM *

TOP VIEW

ERGONOMICALLY SHAPED SIDE SUPPORTS CONTROL THE CORRECT POSITION IN THE CHAIR

TRAY MAKES IT EASIER FOR CHILDREN TO EAT MEALS AND PLAY

BOTH BIG AND PROFILED ABDUCTOR ENABLES THE CHILD TO HAVE THE CORRECT POSITION IN THE CHAIR

* DIFFERENT HEIGHTS AVAILABLE

MODERN ORTHOPEDIC DEVICES
Positioning chair JUMBO is used for initial upright standing of children in the sitting position. It is user-friendly, functional and colourful. It is made of ecologic wood and therefore it is eco-friendly. Despite its simplicity, it perfectly fulfils its function. It is safe for spastic as well as flaccid children with decreased muscle tone. Adjustable side supports help in correcting postural problems and, moreover, this chair may be beneficial regarding orthopaedic disorders. It has a safety vest which is equipped with innovative “hold & pull” system thanks to which the child is both quick and precisely secured in this chair. Each product is hand painted on water base paints.

When it comes to size 3, the child can be easily placed in the chair as well as taken out from the chair thanks to the system which enables quick folding of the foot rest.

IT IS RECOMMENDED IN THE FOLLOWING CASES:
- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

STANDARD EQUIPMENT
Frame with castors and brakes | foot rest with feet stabilizing belts | seat | seat cushion | abduction block | backrest | backrest cushion | independently adjustable pelvic and chest supports | hold & pull vest
OPTIONAL EQUIPMENT

SL_001
TRAY

SL_002
HEADREST

SL_003
HEAD SUPPORTING BELT

SL_004
ADJUSTABLE HEADREST

SL_005
THIGH ABDUCTION BELTS

SL_006
TRAY FOR MANUAL THERAPY

ANTI BEDSORE CUSHION FLOW FLOW*  
SL_007 - SIT CUSHION  
SL_008 - BACKREST CUSHION  

AVAILABLE UPHOLSTERY COLOURS

HotPink

BlueSky

BrownSugar

* DETAILS PAGE 48  
(1) ASSEMBLED INSTEAD OF A STANDARD ITEM
Rehabilitation chair ZEBRA is designed for children and young people who have significant locomotor deficits. Moreover, it is beneficial for youths who did not learn how to sit or have difficulties with adopting the sitting position. It is useful for flaccid children with decreased muscle tone as well as for children with significant spasticity. Furthermore, this chair may be handy concerning orthopaedic disorders and, moreover, it may be used for children who need relief for lower limbs after surgery. This chair exerts a positive influence on the child and his family. It is made of ecologic and safe materials and it is hand painted. Moreover, safety vest and pelvic belt are equipped with innovative “hold & pull” system which allows for quick and precise stabilization of the child in the device.

**IT IS RECOMMENDED IN THE FOLLOWING CASES:**

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

**STANDARD EQUIPMENT**

Frame with castors and brakes | adjustable foot rest with footers and feet stabilizing belts | seat | seat cushion | abduction block | backrest | backrest cushion | pelvic belt | chest supports | vest | headrest | elbow support | tray
**Optional Equipment**

- **ZB_001** Head supporting belt
- **ZB_003** 3D foot adjustment (Z)
- **ZB_004** Neck supporting cushion
- **ZB_005** Tray for manual therapy
- **ZB_006** Knee support
- **ZB_007** Lower limbs supporting cushions
- **ZB_008** Adjustable headrest (Z)
- **ZB_009** Independently adjustable side supports (Z)
- **ZB_010** Thigh abduction belts
- **ZB_011** Sit cushion (Z)
- **ZB_012** Backrest cushion (Z)

* Details page 48  (Z) assembled instead of a standard item
### NOOK POSITIONING CHAIR

#### SIZE TABLE

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A. Width of pelvic [cm]</th>
<th>B. Width of chest [cm]</th>
<th>C. Length of trunk [cm]</th>
<th>D. Length of shin [cm]</th>
<th>E. Distance from back to lower leg [cm]</th>
<th>F. Maximum weight of the user [kg]</th>
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#### PRODUCT DIMENSIONS

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### JUMBO POSITIONING CHAIR

#### SIZE TABLE

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<th>SIZE</th>
<th>A. Width of pelvic [cm]</th>
<th>B. Width of chest [cm]</th>
<th>C. Length of trunk [cm]</th>
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### ZEBRA POSITIONING CHAIR

#### SIZE TABLE

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#### BOX DIMENSIONS

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Special strollers are created for children and young people. They enable transportation and daily rehabilitation of people with disorders who have difficulties with adopting sitting as well as standing position single-handedly. Additionally, children have also the possibility of relocation in comfortable positions and, moreover, they may explore and get to know with the world. It goes without saying that contact with surroundings is one of the significant elements of therapy. Nevertheless, stimulation of psychomotor development and the influence on the improvement of mental state are the most important effect of using the chair. They help in prevention and healing of bed sores. The correct position is necessary for proper development of the child.

SPECIAL REHABILITATION STROLLERS
Special stroller HIPPO was created in order to help with daily care of the child. Adjustable foot rest, removable abductor, adjustable Backrest with side pelottes, belts and headrest enable the correct upright standing and body stabilization of the child’s body in this buggy. It is equipped with shock absorbers which soften the vibration during riding. This product has a vast array of standard equipment thanks to which parent has always essential accessories. What is more, it is equipped with roof as well as cover which protect from wind, rain and sun and, more to the point, they enable rest irrespective of weather conditions. Regarding grip, it enables parents to change quickly the direction and, moreover, it has adjustment which makes it possible for parents to adapt the device to their height. It is highly recommended for the youngest up to 2 years.

**IT IS RECOMMENDED IN THE FOLLOWING CASES:**

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

**AVAILABLE COLOURS**

- OrangeSunset
- BlueLagoon

**STANDARD EQUIPMENT**

Collapsible frame with wheels and brakes | parking brakes, independent on both axis | street system with shock absorbers | foot rest | seat | abduction block | adjustable backrest | side supports | seat and back upholstery | roomy basket in street system | headrest with head supporting belt | cover with pocket | bag | adjustable and folding canopy | handle bar with the possibility of changing sides (traveling face to face with the child) | pumped wheels or solid wheels (customer choice) | flap to observe the child | warm cover | insect net | front rail | pump
FEATURED ELEMENTS OF STANDARD EQUIPMENT

5-POINT SAFETY BELTS
HEADREST WITH HEAD SUPPORTING BELT
ADJUSTABLE FOOT REST
2 BRAKES INDEPENDENT ON BOTH AXIS

INSECT NET
ROOMY BASKET
SYSTEM WITH SHOCK ABSORBERS AND SPRINGS
WATERPROOF COVER

BAG
COVER WITH POCKET

WHEELS (CUSTOMER CHOICE)

SOLID WHEELS (NOT PUMPED)
PUMPED WHEELS WITH SPOKES
PLASTIC PUMPED WHEELS
Rehab stroller RACER is used for children whose movement possibilities are limited. It may be used in the rehabilitation centre and at patient’s home. Stable construction perfectly stabilizes the patient and it gives him a sense of security. What is more, it enables the correct sitting position and the child has a chance to rest in the reclining position. Parent is able to take the child to rehabilitation and go for a walk thanks to which the child has the possibility of spending time outdoor. There is no doubt that this special stroller makes life easier for parent regarding care and feeding and, moreover, the child can actively spend time with his family. It is equipped with a vast array of adjustment thanks to which the user feels comfortable in the device. Additionally, the transport of this buggy is easy due to collapsible construction. Concerning upholstery, it is made of breathable and washable fabrics.

IT IS RECOMMENDED IN THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

STANDARD EQUIPMENT

Collapsible frame with pumped wheels and rear brakes | foot rest with feet stabilizing belts | seat | seat cushion | abduction block | adjustable backrest | side supports | vest | headrest | front rail | protection of side tubes | pump
**OPTIONAL EQUIPMENT**

- **RC_001** Thigh Abduction Belts
- **RC_002** Sun Umbrella
- **RC_003** Tray
- **RC_004** Folding Canopy with Cover
- **RC_005** Folding Canopy
- **RC_006** Bag
- **RC_007** Pelvic Belt*
- **RC_008** Solid Wheels (Z)
- **RC_009** Pumpe Wheels (Z)

**AVAILABLE UPHOLSTERY COLOURS**

- GreenGrass
- BlueSea
- GreyVulcano

**THE WAY OF COLLAPSING**

* ASSEMBLED INSTEAD OF VEST  
(1) ASSEMBLED INSTEAD OF SPOKE WHEELS
RACER+ stroller is equipped with swivel front wheels, thanks to which parents do not have a problem with using this device. This change is really beneficial due to the fact the buggy does not have to be lifted in order to overcome uneven grounds. Moreover, it is really good for the child because he feels comfortable and, more to the point, it does not disturb the child’s perception. Young patient has bigger chance to regain fitness and acquire new skills when nothing disturbs the child’s perception in the stroller.

Furthermore, front wheels are equipped with fixed direction of movement which is handy regarding uneven surfaces. New foot-rest adjustment facilitates the use of this rehab stroller and modern design does not suggest that it is created for people who need special care. This stroller passed successfully crash tests in French institute CERAH.

IT IS RECOMMENDED FOR CHILDREN AND YOUNG PEOPLE WITH THE FOLLOWING CASES:

- Infantile cerebral palsy – different forms
- Meningomyelocele
- Brain and spinal cord injuries
- Muscle diseases connected with paresis and paralysis
- Genetic disorders connected with paresis
- Other diseases connected with paresis, paralysis and injuries regarding locomotor system
- After traumatic brain injury, spine with spinal cord and lower limbs injury

STANDARD EQUIPMENT

Collapsible frame with wheels and rear brakes | swivel front wheels | foot rest with feet stabilizing belts | seat | seat cushion | abduction block | adjustable backrest | side supports | vest | headrest | front rail | protection of side tubes | pump
**OPTIONAL EQUIPMENT**

- **RC_001** Thigh Abduction Belts
- **RC_002** Sun Umbrella
- **RC_003** Tray
- **RC_004** Folding Canopy with Cover
- **RC_005** Folding Canopy
- **RC_006** Bag
- **RC_007** Pelvic Belt*
- **RC_008** Solid Wheels (Z)

**AVAILABLE UPHOLSTERY COLOURS**

- Green Grass
- Blue Sea
- Grey Vulcano

**THE WAY OF COLLAPSING**

* Assembled instead of vest  
(2) Assembled instead of spoke wheels
### HIPPO SPECIAL STROLLER

#### SIZE TABLE

<table>
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<tr>
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<tbody>
<tr>
<td>C. Maximum width of chest (cm)</td>
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<tr>
<td>J. Maximum length of trunk (cm)</td>
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<tr>
<td>E. Height to the axis of pelvic joint (cm)</td>
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<td>N. Maximum height of the child (cm)</td>
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<tr>
<td>G. Maximum weight of the user (kg)</td>
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#### PRODUCT DIMENSIONS

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<th>SIZE</th>
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### RACER, RACER+ SPECIAL STROLLERS

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<td>L. Maximum distance from the back to lower leg (cm)</td>
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<td>I. Length of shin (cm)</td>
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<td>G. Maximum weight of the user (kg)</td>
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<tr>
<td>N. Maximum height of the child (cm)</td>
<td>140</td>
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Maximum angle of Backrest decline to the sit: **120°**

#### PRODUCT DIMENSIONS

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<tr>
<td>Weight (kg)</td>
<td>25</td>
<td>24</td>
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</tbody>
</table>
24 months guarantee
All our products are covered with 24 month guarantee. Moreover, Akces-MED has paid after-guarantee service of devices

Electric lifting system
The product is equipped with electric actuator which assists upright standing. It is handy for the elderly or those who look after relatives on their own

2 in 1
You will get two products in one device

Gas lifting system
Gas spring helps with the correct adjustment of tilt angle during upright standing

3 in 1
The product has 3 functions in one device

Supine and prone upright standing
The product was designed for upright standing in supine and prone position

User friendly
Intuitive adjustment and easy assembly

3D foot adjustment
3D foot adjustment may be regulated in each plane and direction

“Hold & pull” system
This special system is fitted in our vests as well as pelvic belts in order to protect quickly the child in the device

Eco-friendly materials
We use only human as well as environmentally friendly materials. Furthermore, we use paints without formaldehydes and water-based lacquers

Stable construction
The product is highly recommended for tall and well-build people. It provides the correct upright standing and safety

Reflective elements
The product is equipped with reflective elements in order to improve your safety

Crash tests
The product passed successfully crash tests in specialised centre. We are, therefore, confident that our products are solid and safe

Hand painted
The product was hand painted with the aid of paints and lacquers with a water base

Breathable upholstery
The device was equipped with breathable upholstery thanks to which the skin will remain dry for a longer time

Independence
There is a possibility of independent upright standing or relocation in the device

INDEPENDENCE

In 1
You will get two products in one device

Gas lifting system
Gas spring helps with the correct adjustment of tilt angle during upright standing

IN 3
The product has 3 functions in one device

Supine and prone upright standing
The product was designed for upright standing in supine and prone position

User friendly
Intuitive adjustment and easy assembly

3D foot adjustment
3D foot adjustment may be regulated in each plane and direction

“Hold & pull” system
This special system is fitted in our vests as well as pelvic belts in order to protect quickly the child in the device

Eco-friendly materials
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Bedsores are caused by continuous tissue pressure. Regarding this long process, it causes blood circulation disorders and therefore tissue hypoxia and tissue malnutrition. Necrosis, which is the death of tissues or organs, is the result of this process. Necrotizing tissues separate from each other, and after that bedsores appear. Regarding bedsores, they are healing slowly and become infected.

Bedsores may appear on all layers, starting from epidermis, ending with bones. Generally speaking, bedsores are healing slowly because of which they cause a lot of suffering as well as they lead to complications such as infection, sepsis, osteomyelitis, fistulas, cancer. Bedsores may appear everywhere, however, there are either less or more susceptible areas. They frequently appear in places where the distance between the skin and bones is smaller. Consequently, there is continuous pressure at tissue which causes tissue hypoxia and tissue malnutrition. Concerning sitting position, sciatic region is at risk from bedsores.

In order to help our patients we offer Pressure bedsore cushion designed by ORTOdesign and manufactured by REH4MAT.

**THE CONSTRUCTION OF CUSHION CONSISTED OF DIFFERENT LAYERS**

1. Cover is made of PROFIT which is two-layer knitwear which perfectly tailors to the patient’s body and, moreover, it stretches in all directions and therefore shapes buttocks. Its exterior layer is made of Lycra and internal layer is made of cotton which make this product comfortable for the patient.
2. Internal cover is made of polythene openwork knitwear which stabilizes the product. What is more, it creates additional air spaces which strengthen and direct air leak from the product. 

3. Airing-massaging system makes it possible to lighten as well as ventilate sciatic region. Additionally, when the patient performs movement, his skin is massaged which is really beneficial due to the fact that it improves blood circulation and prevents bedsore development.

4. Waterproof membrane does not allow liquids to permeate through inner foam layer of the cushion which makes both maintenance and drying easier.

5. Comfort foam is designed in order that the patient’s weight would be divided on the surface as much as possible thanks to which pressure per square centimeter of his body is smaller.

6. Absorbing foam prevents tissue pressure even during using this cushion on hard surface.

7. Technical foam with fastening function makes it possible to stabilize this product either on chair or wheelchair. In order to stabilize it, you should use universal tapes VELCRO.

Regarding the size, you may buy the cushion with the standard dimensions 450 x 450 mm. Moreover, we offer this cushion at any size if necessary.