



The automatic gripping and grasping system for more activity and greater independence in everyday life, at work and during leisure time

Including recommendations for doctors, therapists and special needs advisors

Get a grip on your life...

Gripability e3 is an easy to handle automatic gripping and grasping system which will give you more independence and activity in your everyday life. Using this trusted gripping aid opens up new spheres of activity to you and your way of life and it accompanies you wherever you go. Our unique perspective and experience enables us to develop products that empower you to increase your quality of life. Our expert knowledge and our know-how combined with a responsible service makes us your partner on your way to an active and dynamic life.



To work with Gripability e3 the user is provided with a small pneumatic gripper. The gripper is easily fixed to the hand or if more suitable the head or another part of the body as individually adapted. Due to especially designed body adaptations individual adjustments are quick and simple to make. This way Gripability e3 can be used as a therapy device, a daily living aid or a tool.

Gripability e3

Master your daily routine...



A fork, a spoon, a slice of bread or a bun, a cookie or a slice of pizza, a newspaper or a postcard, your key and your mobile phone, holding these and many other things in your everyday life will become a simple task for you. Gripability e3 will always be at hand giving you a strong and untiring grip. It is suitable for daily use and will meet all your mobility expectations. Grasp every opportunity to live your life more independently and get a grip on your future.



Whether the grip function is restricted uni- or bilateral, the use of Gripability e3 is recommended whenever the application of an automatic and therefore easy to use mobile gripping and grasping aid opens up new spheres of action to its user and increases his independence and quality of life. User categories: Function deficit of hand muscles due to neural system- or muscle disease, - impairment i.e. tetraplegia, spastic cerebral palsy, spastic quadriplegia, muscular dystrophy, hemiparesis, etc...



Grasp the world around you...

Every day enriches us with new experiences. We learn with head, heart and hand and find ourselves in a continuous and exciting learning process in all fields of life. Whether in your daily routine, at school, during vocational training or at work Gripability e3 is always there for you. With Gripability e3 you easily »grasp« the world around you. Use writing and drawing utensils, take part actively in experiments and projects and work with modern technical equipment. Briefly, experience that borders can be shifted.



Its high variability allows to use Gripability e3 in many educational fields. The fact that learning tasks and practical work can be carried out considerably more actively and independently facilitates self-confidence and helps to »grasp knowledge and the world in general«. For the developing child gripping and grasping is essential. Working with Gripability e3 can begin as soon as a person is able to handle the easy to operate technical gripping and grasping system.

Gripability e3

Get a grip on your career opportunities...



The ability to grip, grasp and hold different objects is vital in most occupations. Make use of Gripability e3 to handle workpieces, tools, documents, your telephone and other things. It will enable you to enter new working areas. Appreciate your own capabilities, develop these and discover to you hitherto hardly known spheres of action. Whichever way you choose for yourself, with Gripability e3 you get a grip on your career opportunities.

To work in today's society is crucial for mental health, self-confidence and social well-being. The gripping and grasping functions of our hands are of utmost importance when it comes to vocational matters. Gripability e3 therefore offers an optimal replacement and is an essential tool when it comes to adapt a working environment to the needs of people with limited hand function.



Seize new spheres of activity...

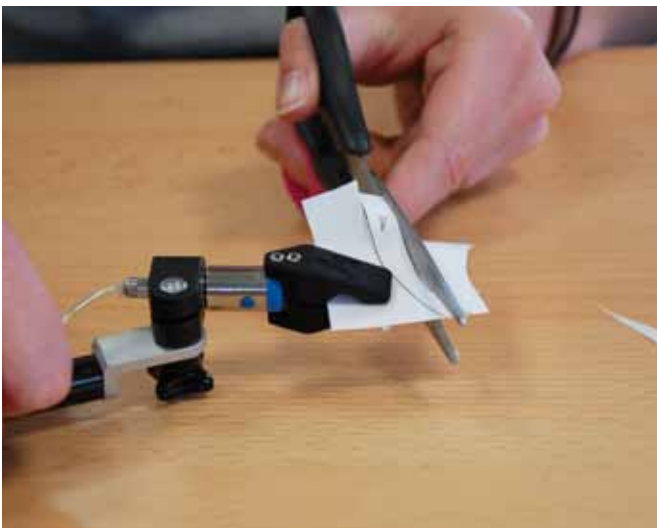
Play is fun, exciting and sociable. What is better than spending time playing with people you like? A game of cards, a board, dice or a learning game - taking part is everything. Enjoy a jigsaw puzzle or a construction toy, alone or with others. Seize the initiative and arrange your game. Roll your dice, keep an ace up your sleeve and play your trumps whenever you want. With Gripability e3 you always take a hand in the right spot at the right time.



Play is one more area where an application of Gripability e3 makes new spheres of activity accessible to its user. For both children and adults play sets free resources to which they otherwise rarely have access. Using the automatic gripping and grasping aid to enable a person to play not only facilitates motor and coordination competence but also the ability to self-expression, self-regulation and self-fulfillment. Thereby new possibilities for active contributions to family and social life are unfolded.

Grasp the nettle...

You like working, forming and shaping creatively. You are fond of hand work and tinkering. You love making music or you cook passionately? Or maybe you are the type of person who gives everything a try? Develop your talents, let loose your energy and live your vitality. With Gripability e3 you always have an all-round tool at hand.



The gripping, grasping and holding functions that are gained by the use of Gripability e3 make new therapeutic approaches possible. Whether gross or fine motor skills activities, with Gripability e3 far more demanding chains of action can be performed independently. A grip function motivates to touch and to move things, to act self-initiated, to step into action. This means to grasp the initiative and to make a positive impact on the course of things.



Four powerful modules...



The four Gripability e3 modules:

The **grip module** consists of a pneumatic gripper and a body adaption. It is fitted for you in such a way as to enable you optimal handling. The **operating module** is positioned so that you can easily control Gripability e3. The **backpack module** is preferably carried on the back of a wheelchair. The **compressor module**, the filling station for the Gripability e3 system, is held ready at a certain place (e.g. at home).



The heart of the Gripability e3 gripping and grasping system is the backpack module. This high tech component is an intelligent mobile power pack and offers several options to adapt the system to the special needs of its user. Once filled, the air reservoir is sufficient for 200 to 400 grip actions. A clever design with thoroughly selected parts make handling Gripability e3 a child's play.



Technical data...



General	
Operating medium	Compressed air, lubricated or unlubricated
Ambient temperature	-10 to 40° C
Power supply	Li-Po-Accu 7,2V/2,4Ah
Grip module standard without adaption	
Max. force	22N
Max. operating pressure	8bar
Min. operating pressure	2bar
Dimensions mm	95 x 53 x 15
Weight	53g
Operating module standard	
Dimensions mm	125 x 56 x 10
Weight	0,075kg
Rucksack module (intelligent power module)	
Dimensions mm	315 x 195 x 80
Weight	3,75kg
Power supply	Li-Po-Accu 7,2V/2,4Ah
Accu recharger	Ma-2240LI-2
Accu- runtime	1 week in normal use
Accu recharge time	approx. 120min
Reservoir volume	1.5l
Max. pressure	16bar
Possible grip actions	approx. 200 - 400
Reservoir refilling time	approx. 60sec
Operating pressure	0 - 16bar
Pressure regulation range	0.3 - 8bar
Outgoing pressure	2 - 8bar
Compressor module standard	
Voltage	230V
Max. Operation pressure	16bar
Sound emission	45dB(A)/lm (whisper silent)
Dimensions mm	340 x 300 x 340
Weight	17kg
Power consumption	2.90A
Frequency	50Hz
Motor	0.46HP

Easy to use...

Latest technology makes it possible to operate Gripability e3 without any effort. Using the standard operating module one can change between 3 preset grip forces, operate the gripper and activate a safety option that avoids accidentally switching. Individual adjustment to special issues is without difficulty feasible and the system is fully compatible with standard 3.5 mm rehab switches.

To activate the grip system, touch the Gripability Logo.

Place the object between the grip fingers and touch the gripper icon. The gripper closes and you are holding the desired object secure and stable.

Individual adjustment of the force, with which the gripper closes, makes it possible to either grasp things gently or hold them tightly. By touching the power icon you adjust the gripping force, e.g. »mini« to grip a cracker, so that it won't break and »maxi« to hold a full cup or a glass securely.



The fact that Gripability e3 is easy to use and highly adaptable to special needs make it useful for a large group of people and on many different therapeutic levels. Its application is focused on improvement, preservation or recovery of the user's capacity to act on his own account. A testing should be carried out as soon as it is obvious that an individual can benefit from the gripping and grasping functions he gains by making use of Gripability e3.

Gripability e3

Adapted to your requirements...



Teaming up to carry out the right solution for you - a fitting to your personal needs provides the basis for you to obtain optimum performance with Gripability e3. We achieve this purpose together with you and the people at your side. An intelligent modular system and our longtime practical experience make sure, that you get a grip on life enjoying your Gripability e3.

The grip module is fitted in such a way as to enable you optimal handling. A variety of grippers, grip fingers and body adaptations are available. Together we choose the components most suitable according to your needs.

To operate the gripper different switches and sensors are applicable. These can be placed wherever they are suitable for use, e.g. in the area of the foot, the head or the hand. Furthermore high tech muscle and speech sensors can be applied.



A perfect supply of a medical aid requires an interdisciplinary teamwork. The identification of the individual needs and the definition of the goals are worked out mutually with the user, his doctors, therapists and teachers. The fitting process as well as the evaluation of the result is carried out in the same way. Centre of attention at any time is the user.

Gripability e3



»the art of handling things«

Gripability e3 is patent-protected:
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